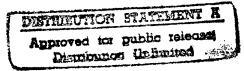
#### A LIMITED ENERGY STUDY OF HIGH TEMPERATURE AND CHILLED WATER DISTRIBUTION SYSTEMS AT FORT STEWART AND HUNTER ARMY AIRFIELD, GEORGIA

#### **VOLUME III** FIELD INVESTIGATION FORMS

FINAL SUBMITTAL



Prepared For Savannah District, Corps of Engineers

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September 6, 1996

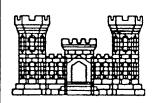
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**Forces Command** 



3rd Infantry Division Fort Stewart



Savannah District Corps of Engineers



Reynolds, Smith and Hills, Inc.

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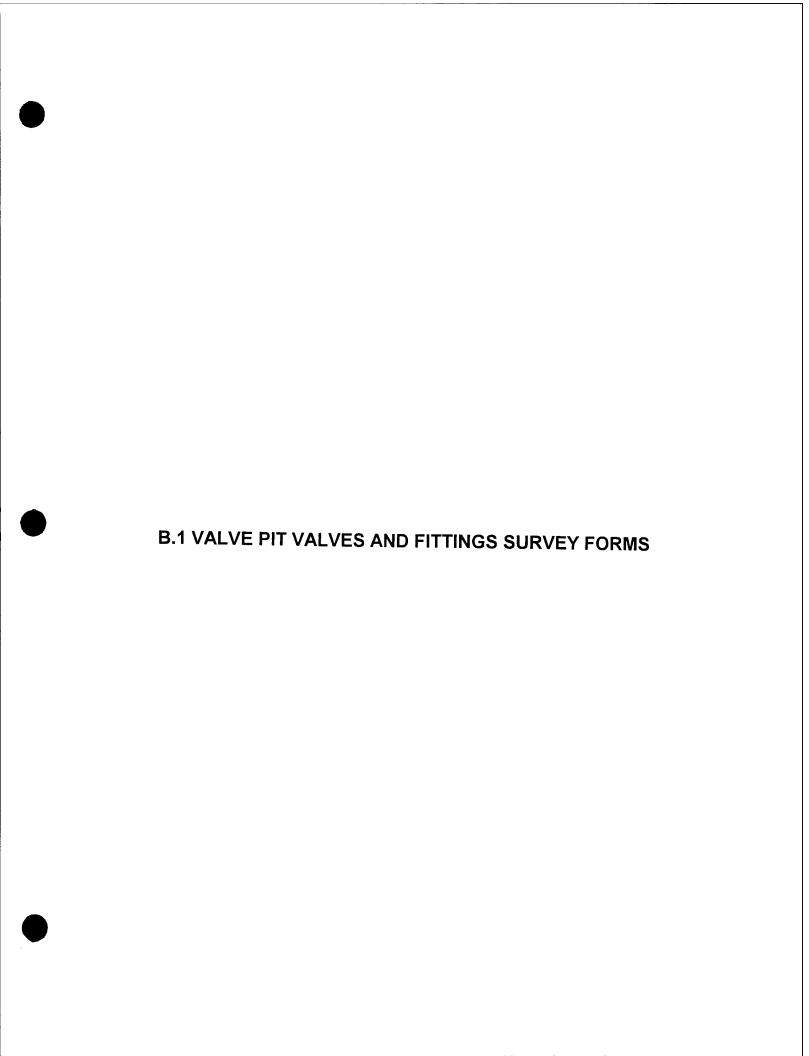
Marie Wakef**l**eld,

Librarian Engineering

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APPENDIX B FIELD INVESTIGATION FORMS



Valve Pit		HTW	Leaks Obs	erved		Sump Pump	Pipe/Valve	Additional
Zone -	Main	Drain	Line	Conduit	HTW	Repair	Missing	Observations
Number	Valves	Valves	Vents	Vents	Piping	Required	Insulation	and Comments
VB-1-1	N	N	N	N	N	Y	N	una comments
VP-1-1	N	N	N	N	N	Ÿ	N	
VP-1-2	N	N	N	N	N	N	Y	
VP-1-3	N	N	N	N	N	N	N	
VP-1-4	N	N	N	Υ	N	Y	N	
VP-1-5	N	N	N	N	N	N	N	
VP-1-6	N	N	N	N	N	Y	Y	
VP-1-7	N	N	N	N	N	N	N	
VP-1-8	N	N	N	N	N	N	N	
VP-1-9	N	N	N	N	N	N	Υ	
DP-1-10	Z	N	N	N	N	Υ	N	
VP-1-10	N	N	N	Y	N	N	Y	
VP-1-11	Υ	N	N	N	N	N	N	- 1.55.
VP-1-12	N	N	N	N	N	N	Y	
DP-1-13	N	N	N	Y	N	Y	N	
VP-1-13	N	N	N	Υ	N	N	N	Pit leaking
VP-1-14	N	N	N	Y	N	Υ	N	
VP-1-15	N	N	N	N	N	N	N	
VP-1-16	N	Υ	N	Y	Y	Υ	Υ	Pit leaking
VP-1-17	N	N	N	Υ	N	N	N	<u>V</u>
DP-1-17/18	N	N	N	Υ	N	Y	N	
VP-1-18	N	· N	N	Υ	N	N	N	
VP-2N/S-1	N	N	N	N	N	Y	Ν	
DP-2N-1	N	N	N	N	N	Y	Υ	Pit leaking
VP-2N-2	N	N	N	N	N	Y	Y	
VB-2N-1	N	N	N	Υ	N	Y	N	
VP-2N-3	N	N	N	N	N	N	N	Pit leaking
VB-2N-2	N	N	N	N	Z	N	N	Conduit leaking
VB-2N-3	N	N	N	N	N	Y	N	Pit leaking
VP-2N-4	N	N	N	N	N	Υ	N	
VP-2N-5	Υ	N	N	N	N	Υ	N	
VB-2S-1	N	N	N.	N	N	Y	Y	A
VB-2S-2	N	N	N	N	N	Y		Audible leak
VB-2S-3	N	N	N	N	N	Y	N	Pipes wet
VP-2S-1	N	N	N	N	N	Y	N	Pipes wet
VP-2S-2	N	N	N	N	N	Y	N	
VP-2S-3	Y	N	N	N	N	N	N	
VP-2S-4	N	N	N	N	N	N N	N	
VP-2S-5	N	N	N	N	N	N N	N	
VP-2S-6	N	N	N	N	N	Y	N N	
VP-2S-7	N	N	N	N	N		N	
VP-2S-8	Y	N	N	N	N	N N	N	
VP-2S-9	N	N	N	N	N	N N	Y	
VP-2S-10	N	N	N	N	N	Y	N	
VP-2S-10 VP-2S-11	N	N	N	N N			N	
VI -20-11	LY	14	1.4	IN	N	N	N	Elec. problem

Valve Pit   Contain   Line   Conduit   HTW   Piping   Pipe/Valve   Additional   Valves   Va	Value Dit			alia Ohana				ln: a	Torrotewart, O.
Number   Valves   Valves   Vents   Vents   Vents   Piping   Required   Insulation   and Comments   VP-3-1   Y   Wet   N   N   N   Y   Y   N   Wet insulation   VP-3-2A   N   N   N   Y   Y   N   Y   Y   N   Y   Y	Valve Pit	Main				11714/	Sump Pump	Pipe/Valve	Additional
VP.3-1         Y         Wet         N         N         Y         Y         Wet insulation           VP.3-2A         N         N         N         Y         N         Y         N         Y         N         Y         N         Y         N         Y         N         N         Y         Y         N<	1				•				1
VP.3-22         N         N         N         Y         N         Y         N         Y         N         Y         Y         N         Y         Y         N         Y         Y         N         Y         Y         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP.3-2A         N         N         N         Y         Y         N         Y         Y         VP.3-3-3         N	1								vvet insulation
VP.3-3         N <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-3A         N         N         N         N         N         N         Y         N         Wet insulation           VP-3-6         N         N         N         N         N         N         N         Y         N         Wet insulation           VP-3-6         N <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td>							<u> </u>		
UP.3-4         N         N         N         N         N         Y         N         Wet insulation           VP.3-5         Y         Wet         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-5         Y         Wet         N         N         N         Y         N           VP-3-6         N         <									\\\/
									vvet insulation
VP-3-7         N <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-8         N <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>T 4</td>									T 4
VP-3-9         N         N         N         Y         N         N         N         Pit leaking           VP-3-10         N         N         N         N         Y         N									Two trees in pit
VP-3-10         N         N         N         Y         N         Y         N         Pit leaking           VP-3-11         Y         N									
VP-3-11         Y         N         N         Y         N         N         N         Large pit leaks           VP-3-12         N         N         N         N         Y         N<									Distantia
VP-3-12         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-13         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td>								<u> </u>	
VP-3-13A         N         N         N         Y         N         N         N         VP-3-14         N									
VP-3-14         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Groundwater?</td>									Groundwater?
VP-3-15         Y         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-16         Y         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-16A         N<									
VP-3-17         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-18         Y         N         N         N         N         N         N         Y         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-19         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-20         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-21         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>							1		
VP-3-22         N         N         N         N         N         Y         N           VP-3-23         N         N         N         N         N         N         Y         N         <						******			
VP-3-23         N         N         N         N         N         N         Y </td <td>The same of the sa</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	The same of the sa								
VP-3-24         N         N         N         N         Y         Y           VP-3-24A         N         N         N         N         N         N         Y         N									
VP-3-24A         N         N         N         N         N         Y         Y           VP-3-24B         N         N         N         N         N         N         N         Y         Y           VP-3-24C         N									
VP-3-24B         N         N         N         N         N         N         N         Y           VP-3-24C         N									
VP-3-24C         N<									
VP-3-25         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-3-25A         N         N         N         N         N         N         Y         N           VP-3-266         N         Wet         N         N         N         Y         N         Wet insulation           VP-3-26A         N         -         N         N         N         N         Y         N         N         Wet insulation           VP-3-26A         N         -         N         N         N         N         Y         N	1								
VP-3-26         N         Wet         N         N         N         Y         N         Wet insulation           VP-3-26A         N         -         N         N         N         N         Y         N         N           VP-3-27         Y         N         N         N         N         N         Y         Y         Y           VP-3-28         N						450			
VP-3-26A         N         - N         N         N         N         Y         N         N         VP-3-27         Y         N         N         N         N         N         N         Y									Wet insulation
VP-3-27         Y         N         N         N         N         Y         Y           VP-3-28         N         N         N         N         N         N         N         N           VP-S-1         N									VVCCInsulation
VP-3-28         N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-S-1         N <td>VP-3-28</td> <td>N</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	VP-3-28	N							
VP-S-2         N <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VP-S-2         N <td>VP-S-1</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td></td>	VP-S-1	N	N	N	N	N	N	N	
VP-S-3         Y         N         N         N         N         N         N         N         Steam leak           VP-S-4         N	VP-S-2	N							
VP-S-4         N <td>VP-S-3</td> <td>Υ</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td></td> <td></td> <td>Steam leak</td>	VP-S-3	Υ	N	N	N	N			Steam leak
VP-S-5         N <td>VP-S-4</td> <td>Ν</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td></td> <td></td> <td></td>	VP-S-4	Ν	N	N	N	N			
VP-S-6         N <td>VP-S-5</td> <td>N</td> <td>N</td> <td>N</td> <td></td> <td></td> <td></td> <td></td> <td></td>	VP-S-5	N	N	N					
VP-S-7         N <td>VP-S-6</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td></td> <td></td> <td></td> <td></td>	VP-S-6	N	N	N	N				
VP-S-8         N         N         N         N         N         Y         Y           VP-S-9         N         N         N         N         N         Y         Y           VP-S-10         N         N         N         N         N         N         Y           VP-S-11         N         N         N         N         N         N         Y         Pit leaking           VP-S-12         N         N         N         Y         Y         N         Y		N	N	N	N	N			
VP-S-9         N         N         N         N         Y         Y           VP-S-10         N         N         N         N         N         N         Y           VP-S-11         N         N         N         N         N         N         Y         Pit leaking           VP-S-12         N         N         N         Y         Y         N         Y		N	N	N	N	N			
VP-S-10         N         N         N         N         N         Y           VP-S-11         N         N         N         N         N         Y         Pit leaking           VP-S-12         N         N         N         Y         Y         N         Y	VP-S-9	N	N	N	N	N			
VP-S-11         N         N         N         N         N         Y         Pit leaking           VP-S-12         N         N         N         Y         Y         N         Y	VP-S-10	N	N	N	N	N	N		
VP-S-12 N N N Y Y N Y	VP-S-11	N	N	N	N	N			Pit leaking
	VP-S-12	N	N	N					
	VP-S-13	N	N	N	Υ	N			

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>VF-1-1</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
Water level in pit ≈ 10 inches. Sp not plugged in
Other observations or notes:
~ 1" pipes toward SW
- piping submerged, un visible leales
INITIALS:; DATE:

i	HTVV Zone No.: 1; 2N; 2S; 3; SEP
•	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
İ	Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>
1	Mark location of pit/box and indicate pit/box number on site map.
1	Check valve stems, flanges and fittings at all HTW mains:
-	ok
ι	Check drain valves and fittings from all HTW mains:
	0 1
•	
	Check valves and fittings on HTW line vents:
•	ok
	Check for steam flowing from HTW conduit vents:
	Nonc: SW +SE
	Vent from NW: planged solseres plan
	Water level in pit ≈ 1 inches. SP doesnot appear to mork
	Other observations or notes:
-	

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-1-2</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
Water level in pit ≈ <u>𝒪</u> inches.
Other observations or notes:
missing insul: ~ 3" pipe - lelbow & 3LF
·

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): \(\frac{\frac{1-3}{2}}{2}\)
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
9  <
Check drain valves and fittings from all HTW mains:
ok
Chack valves and fittings on HTM line vents:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
None: NE + SW
TOOKE, NEW YORK
·
Water level in pit ≈inches.
Other observations or notes:
No lines comming in from NW as shown on map
Ü
INITIALS:; DATE:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\rho - 1 - 4 \)</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	ok
	•
6.	Check drain valves and fittings from all HTW mains:
	10 K
7.	Check valves and fittings on HTW line vents:
	ok
0	Charles for the constitution from LITINA and the constitution of t
8.	Check for steam flowing from HTW conduit vents:
	None: NE, NW + SF * Slight stram Now + Arip From both HTWS & HTWR YENTS to Sc
	The Stight steam 1100 + drip tron both HTWS 1 UTWR JENTS to Sc
9.	Water level in pit ≈ <u>-0 -</u> inches.
10.	Other observations or notes:
	- Sump pump on w/no water in pit
	- pacific to the first
	INITIALS:; DATE:

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>1/</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
ok
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
None
Water level in alt O in also
Water level in pit ≈ inches.
Other observations or notes:
,

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\frac{1}{2} - 6\)</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
o K
Check drain valves and fittings from all HTW mains:
OKOK
Check valves and fittings on HTW line vents:
NΑ
Check for steam flowing from HTW conduit vents:
None: NE+SW
1700, 1024300
Water level in pit ≈ 6 inches. IP not working
Other observations or notes:
missing insul: " pipe - 6LF & 2 elbours
J

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #):
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
ok
Check drain valves and fittings from all HTW mains:
nk
Check valves and fittings on HTW line vents:
NA
Check for steam flowing from HTW conduit vents:
None: NE, NW ÉSE
· · · · · · · · · · · · · · · · · · ·
Water level in pit ≈ <u>□</u> inches.
Other observations or notes:
INITIALS:; DATE:

ı	HTW Zone No.: 1; 2N; 2S; 3; SEP
•	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Į	Pit/Box Number (VP - #, DP - #, VB - #): <u>∀!- </u>
ļ	Mark location of pit/box and indicate pit/box number on site map. 🛩
(	Check valve stems, flanges and fittings at all HTW mains:
	ok
•	Check drain valves and fittings from all HTW mains:
	OK
•	
	Check valves and fittings on HTW line vents:
	NA
	Check for steam flowing from HTW conduit vents:
	None : NE+SW
	Water level in pit ≈O_inches.
	Other observations or notes:

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:  ○  ○  ○  ○  ○  ○  ○  ○  ○  ○  ○  ○  ○
Check valves and fittings on HTW line vents:
N A
Check for steam flowing from HTW conduit vents:
None NE
None SW
Water level in pit ≈ <u>-0</u> -inches.
Other observations or notes:
missing insul: 2 valves ~ 4"dia pipe

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): 50-1-10
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
oneon drain valves and fittings from all HTVV mains.
4(4
Check valves and fittings on HTW line vents:
4 N
Check for steam flowing from HTW conduit vents:
Water level in pit ≈ 4 inches. Sp not working
Other observations or notes:

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box	
Pit/Box Number (VP - #, DP - #, VB - #): <u>√Ρ-۱-+</u>	
Mark location of pit/box and indicate pit/box number on site map.	
Check valve stems, flanges and fittings at all HTW mains:	
o k	
Check drain valves and fittings from all HTW mains:	
o k	
Check valves and fittings on HTW line vents:	
OK.	
<u> </u>	
Check for steam flowing from HTW conduit vents:	
Check for steam flow from HTVR Vent 100 SE	
Stight 5 Urding 1800 from HIVE VEILT 11.5 SE	
Water level in pit ≈ <u>'/2</u> inche≴.	
Other observations or notes:	
missing insulation: ~ B" pipe - 1 elbow	
INITIALS:; DATE:	

111 W Zone No.: 1, 21, 25, 5, 5L1	
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box	
Pit/Box Number (VP - #, DP - #, VB - #): 19-1-11	
Mark location of pit/box and indicate pit/box number on site map.	·
Check valve stems, flanges and fittings at all HTW mains:	
- laine steen lanking a lample son from water to No	J
Check drain valves and fittings from all HTW mains:	
0 k	
Check valves and fittings on HTW line vents:	
6K	
Check for steam flowing from HTW conduit vents:	
None: NE 100, 80 = 500	
Water level in pit ≈ <u>-0 -</u> inches.	
Other observations or notes:	
also has small pipes HTW SOR to NW	
	* *****
INITIALS: : DATE	<b>=</b> •

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): 1/2-1-12
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
<u>ok.</u>
Check drain valves and fittings from all HTW mains:
56
Check valves and fittings on HTW line vents:
<u> </u>
Chook for stoom flowing from LITM/ and doit wants
Check for steam flowing from HTW conduit vents:
None: NK, 11m SK + EN
Water level in pit ≈ <u>-0 -</u> inches.
Water level in pit ≈ <u>-0 - inches.</u> Other observations or notes:
Other observations or notes:
Other observations or notes:

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>&gt;P-1-13</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
۵٫۱٫
Check valves and fittings on HTW line vents:
NA.
Chook for stoom flowing from LITM and it wants
Check for steam flowing from HTW conduit vents:
Slight steam flow From Vent - could be due to
Slight steam flow From Vent - could be due to
Slight steam flow-from Vent-obuld be due to
Slight steam flow from Vent - could be due to  condition by the steam of the standard of the s
Slight steam flow from Vent-could be due to
Slight steam flow from Vent - could be due to  condition by the steam of the standard of the s
Slight steam flow from Vent - could be due to  condition by the steam of the standard of the s
Slight steam flow from Vent - could be due to  condition by the steam of the standard of the s

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #):
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
<u> </u>
Check valves and fittings on HTW line vents:
OK
Check for steam flowing from HTW conduit vents:
- None: Nujésa
- None: Nujésé - Slight stemflow - Drip From Ew yent (tobléa
Water level in pit ≈ ½_incheş
Other observations or notes:  drips (study) from SW -, 1 + (GW, LITW?)

HTW	Zone No.: 1; 2N; 2S; 3; SEP
Туре	of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Bo	x Number (VP - #, DP - #, VB - #): <u>\\P-1-14</u>
Mark I	location of pit/box and indicate pit/box number on site map. 🦯
Check	valve stems, flanges and fittings at all HTW mains:
	ok
Check	drain valves and fittings from all HTW mains:
	o K
Check	k valves and fittings on HTW line vents:
	NA
Check	c for steam flowing from HTW conduit vents:
_	None: NE, SE + SW
	Slight steam Flow from NW vent (pipe on 5:05:20)
	7,000 604 ( 1,700 )
Water	r level in pit ≈ 2 inches. sp n.d working
	observations or notes:
Outer	observations of notes.
	INITIALS:; DATE:;

VALVES 8	<b>FITTINGS</b>	<b>SURVEY</b>

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>/P-1-15</u>
Mark location of pit/box and indicate pit/box number on site map. >
Check valve stems, flanges and fittings at all HTW mains:
ok
Check drain valves and fittings from all HTW mains:
ok
Check valves and fittings on HTW line vents:
NA
Check for steam flowing from HTW conduit vents:
None: NE ESW
Water level in pit ≈ <u>-0</u> inches.
Other observations or notes:

1.	HTW Zone No.: 1/_; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit <u>/</u> ; Drain Pit <u>/</u> ; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-1-16</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
X	Nature stem trateing steam and a 2-3 draps /sec HTW on
	HTW branch line (may be drain pipe)
3.	Check drain valves and fittings from all HTW mains:
7.	Check valves and fittings on HTW line vents:
8.	Check for steam flowing from HTW conduit vents:
	K 1 plot Strom from Yout to NE (tomand main brookings) same pipe
	that has location dais valve meetinged above.
	- Also has water leaking from conduit pipe outrouse (maybe on ) - 2 drops
9.	Water level in pit ≈ 3 inches. Sp not working
0.	Other observations or notes:
	- missing insul: ~ L"pipe - ~ 6 LF

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

1.	HTW Zone No.: 1; 2N; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>Υξ-1-17</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
•	ok .
6.	Check drain valves and fittings from all HTW mains:
	o K
7.	Check valves and fittings on HTW line vents:
	o k
8.	Check for steam flowing from HTW conduit vents:  Steam from conduit vent to NE
*	Steam from condn; + vent + NE
	Nove: SEESW
9.	Water level in pit ≈inches.
10.	Other observations or notes:
	WITH O DATE

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>¬¬P - 1 - 1 ¬/</u> 13
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
6.	Check drain valves and fittings from all HTW mains:
(-)	K HTW/stran Flowing from groudeit went to NE
<i>!</i> !	
7.	Check valves and fittings on HTW line vents:
\	
8.	Check for steam flowing from HTW conduit vents:
0	Material in mit 10 inches (8 1 1 1 i
9.	Water level in pit ≈ 12 inches. Sp not working
10.	Other observations or notes:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): 10-1-13
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
6.	Check drain valves and fittings from all HTW mains:
7.	Check valves and fittings on HTW line vents:
o	Chook for stoom flouring from LITM/ and different
8.	Check for steam flowing from HTW conduit vents:
	None i Nt. NW, & GE - Nov '95  SE = Brip + Steam flow - Jan '96
9.	Water level in pit ≈ <u>¬D</u> -inches.
10.	Other observations or notes:
	- dead grass next to NE side of ble BIL  - Surfair temp. (~ 3-4" down) is 830F, offer
	- Susfair + emp. (23-4" down) is 830F. Offer
	areas of ground are ~ 67°F. Temp, in crack
	of side, was 90 °F.
	INITIALS:; DATE:

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box Pit/Box Number (VP - #, DP - #, VB - #):	
· · · · · · · · · · · · · · · · · · ·	
Mark location of pit/box and indicate pit/box number on site map. ✓	
Check valve stems, flanges and fittings at all HTW mains:	
Check drain valves and fittings from all HTW mains:	
Check valves and fittings on HTW line vents:	
Ole Ole	
Check for steam flowing from HTW conduit vents:	
None South	
None main from Plant	
Water level in pit = 6 inches. surp pump not working	***************************************
Other observations or notes:	
	- 7
~ 1 drong / 7 sec from North supply / return conduit	Sprobably gre

1.	HTVV Zone No.: 1, ZN, ZS, S, SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>DP-2N-1</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	o k
6.	Check drain valves and fittings from all HTW mains:
	<u> </u>
7.	Check valves and fittings on HTW line vents:
	0 <
8.	Check for steam flowing from HTW conduit vents:
	None Vo. thwest
	None South enst
	Vonc North crist
9.	Water level in pit ≈ 3 inches. 58 not working
0.	Other observations or notes:
	- Not shown on map- Wes also has ~ 2" HTIV
	supply a return to the most east.
	- Sour sulation inssing -4 LF
	- start floor water a list on flow 5 1 is 5 Min since
	Could be ground water, pitis near drain pipe
	INITIALS:; DATE:
	1111/120

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>√ β- 7μ- 2</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
MARK TO THE PARTY OF THE PARTY
Check drain valves and fittings from all HTW mains:
OK
Check valves and fittings on HTW line vents:
O K
Check for steam flowing from HTW conduit vents:
Check for steam flowing from HTW conduit vents:
None NW
·
None NW
None NW  Nose NW  SE
Water level in pit ≈ 4 inches. Spust working  Other observations or notes:
None NW  18 SE  11 SW  Water level in pit ≈ 4 inches. Spruct working Other observations or notes:  11 Struct to South west
Water level in pit ≈ 4 inches. Spust working  Other observations or notes:

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box  Pit/Box Number (VP - #, DP - #, VB - #): \( \ldots \frac{1}{2\to -2\to -4} \)  Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  OK  Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  \( \ldots \text{K} \)  Check for steam flowing from HTW conduit vents:  \( \ldots \text{K} \)  \( \ldots \text{K} \)  Check for steam flowing from HTW conduit vents:  \( \ldots \text{K} \)  \( \ldo
Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  OK  Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:
Check valve stems, flanges and fittings at all HTW mains:   OK  Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:
Check drain valves and fittings from all HTW mains:     Check valves and fittings on HTW line vents:   Check for stoom flowing from HTW conduit vents.
Check drain valves and fittings from all HTW mains:   OK  Check valves and fittings on HTW line vents:  OK  Check for stoom flowing from HTW conduit vents:
Check for stoom flowing from HTW conduit vents:
Check for stoom flowing from HTW conduit vents:
Check for stoom flowing from HTW conduit vents:
Check for stoom flowing from HTW conduit vents:
Chock for stoom flowing from UTW conduit vents.
Chack for stoom flowing from UTW conduit vents.
Chack for stoom flowing from UTW conduit vents.
Chack for stoom flowing from LTM conduit vents
Check for steam flowing from HTW conduit vents:  NW yeart is hot w/very light Not visib
Check for steam flowing from HTW conduit vents:  NW yeart is hot w/ very light Not visib
NW yeart is hot w/very light Not visib
1000 Vent is hot in/ very light - Not Jisib
Water level in pit ≈ 24 inches. Sp not working
Other observations or notes:
also has FTW lines to SW

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\frac{10-20}{2}\)</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
ok
Check drain valves and fittings from all HTW mains:
<u> </u>
Check valves and fittings on HTW line vents:
6 IC
Check for steam flowing from HTW conduit vents:
None NW
11 5€
4 SW
Water level in pit ≈ <u>- O -</u> inches.
Other observations or notes: grand water
~ 1 duop/sec & andible look could nour SE conduit
Sheam /HTW
Pit is near dynimage ditch

HTW Zone No.: 1; 2N/_; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): \(\frac{16\sqrt{P}-2\times-2}{2}\)
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Novalves on mains so called this value by
Check drain valves and fittings from all HTW mains:
<u> </u>
Check valves and fittings on HTW line vents:
<u>ok</u>
Check for steam flowing from HTW conduit vents:
Nonc: NW, SE, SW, NE
·
Water level in pit ≈ <u>~O~</u> inches.
Other observations or notes:
1 1 dvop/ sec from NW conduit

1.	HTW Zone No.: 1; 2N/_; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>√6/⊳Р - 2№ -</u> 3
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	No values on mains. Air bottles on mains
6.	Check drain valves and fittings from all HTW mains:  ⊘⟨<
7.	Check valves and fittings on HTW line vents:
8.	Check for steam flowing from HTW conduit vents:
	Nour : NW & SE
	. Yout to NF conduit has seem pluggin it
9. 10.	Water level in pit ≈ 8 inches. If not working  Other observations or notes:
	reproduced from a sound considit extrance to pit NW+NE
	Pit in drainage ditch
	INUTIAL O. DATE
	INITIALS: ; DATE:

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): _
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:  ○  ○  ○
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
None: SE, SW + NE
Water level in pit + 17 inches
Water level in pit ≈ 12 _inches. sp not working Other observations or notes:
<u>, and the second of the secon</u>
Very slight ground water lack around Sw countit

	HTW Zone No.: 1; 2N; 2S; 3; SEP
	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-2N - 5</u>
	Mark location of pit/box and indicate pit/box number on site map.
	Check valve stems, flanges and fittings at all HTW mains:
	HTW/steam leaking from jalve on main, to NW
	fishibition line (to blog 1840) - leak can be
	seen and heard
	Check drain valves and fittings from all HTW mains:
-	OK.
(	Check valves and fittings on HTW line vents:
	o k
•	
1	Check for steam flowing from HTW conduit vents:
	None: IW, NE, NW
•	
•	Water level in pit ≈ 6 inches. Sp not working
	Other observations or notes:
	outer observations of notes.
•	
	INITIALS:; DATE:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	3 K
6.	Check drain valves and fittings from all HTW mains:
	0(\
7.	Check valves and fittings on HTW line vents:
	<u> </u>
8.	Check for steam flowing from HTW conduit vents:
O.	None = NE & SW
9.	Water level in pit = 1 inches. sp not working motor running but no flow
10.	Other observations or notes:
	- the contains N'2" HTW toward SW
	- broad water dripping from around conduit to NE
	- jusulation mission v 5' insulation goaked ~ 6'
×	- jusulation missing ~ 5', insulation soaked ~ 6'  - Audible steam leaking sound could not find

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box?
Pit/Box Number (VP - #, DP - #, VB - #):
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
Water level in pit ≈inches.
Other observations or notes:
Pit covered w/ solid metal cover and staked off

	HTW Zone No.: 1; 2N; 2S; 3; SEP
	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	Pit/Box Number (VP - #, DP - #, VB - #): <u>√β-73-2</u>
	Mark location of pit/box and indicate pit/box number on site map.
	Check valve stems, flanges and fittings at all HTW mains:
	Check drain valves and fittings from all HTW mains:
	Check valves and fittings on HTW line vents:
	Check for steam flowing from HTW conduit vents:
	None from NW (only yest)
196	
	Water level in pit ≈ 18 inches. Sprot working
	Other observations or notes:
	- Small HTW Pipe to NW is only pipe visible
	through water; every thing in pit is submerged

I	TTW Zone No.: 1; 2N; 2S; 3; SEP
-	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	Pit/Box Number (VP - #, DP - #, VB - #):
ľ	Mark location of pit/box and indicate pit/box number on site map.
(	Check valve stems, flanges and fittings at all HTW mains:
-	Chook drain values and Cities of the United
-	Check drain valves and fittings from all HTW mains:
-	Check valves and fittings on HTW line vents:
-	
(	Check for steam flowing from HTW conduit vents:
	None From NW
	Vater level in pit ≈ 18 inches. IP not working
	Other observations or notes:
	- Same notes as VB-75-2
-	
_	
_	
	INITIALS:; DATE:
	WITALO, DATE.

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): 1/2-23-1
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
<u> </u>
Charle drain values and fittings from all LITM mains:
Check drain valves and fittings from all HTW mains:
0 (<
Check valves and fittings on HTW line vents:
s(c
Check for steam flowing from HTW conduit vents:
None: Sw (vent line is hot)
5E
Nw (vent line is hot)
Water level in pit ≈ 4 inches. St not working
Other observations or notes:

ŀ	HTW Zone No.: 1; 2N; 2S; 3; SEP
-	Гуре of Pit/Box: Valve Pit <u>//</u> ; Drain Pit; Valve Box <u>//</u>
F	Pit/Box Number (VP - #, DP - #, VB - #): \ <u>P/v6 - 15-2</u>
ľ	Mark location of pit/box and indicate pit/box number on site map. //
(	Check valve stems, flanges and fittings at all HTW mains:
_	
(	Check drain valves and fittings from all HTW mains:
	2k
_	
_	
(	Check valves and fittings on HTW line vents:
	ok
_	
_	
(	Check for steam flowing from HTW conduit vents:
	None : NE
_	Νω
	S <sub>E</sub>
`	Water level in pit ≈ 4 inches. Sump pump level arm is set too high
	Other observations or notes:
-	
-	
-	
-	
	INITIALS:; DATE:

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box  Pit/Box Number (VP - #, DP - #, VB - #):	location of pit/box and indicate pit/box number on site map.  It valve stems, flanges and fittings at all HTW mains:  Nery stight and fittings from all HTW mains:  It valves and fittings from all HTW mains:  Ok  It valves and fittings on HTW line vents:  Ok  It valves and fittings from HTW conduit vents:  Non C = NE NW SE SW	Pit/Box Number (VP - #, DP - #, VB - #): VP-25-3  Mark location of pit/box and indicate pit/box number on site map. Check valve stems, flanges and fittings at all HTW mains:  Nery slight and the track from realize stem.  Check drain valves and fittings from all HTW mains:  ok  Check valves and fittings on HTW line vents:  bk  Check for steam flowing from HTW conduit vents:	HTW Zone No.: 1; 2N; 2S/_; 3; SEP
Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  Nery slight and fible trak from raline stem  Check drain valves and fittings from all HTW mains:  ok  Check valves and fittings on HTW line vents:	location of pit/box and indicate pit/box number on site map.  k valve stems, flanges and fittings at all HTW mains:  Nery slight and ble track from rally stem  k drain valves and fittings from all HTW mains:  ok  k valves and fittings on HTW line vents:  bk  k for steam flowing from HTW conduit vents:  Non C = NE NW, SE, SW	Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  Nery slight and librate track from value stem.  Check drain valves and fittings from all HTW mains:  ok  Check valves and fittings on HTW line vents:  bk  Check for steam flowing from HTW conduit vents:  Now ( : NE  NW  SE  SW)  Water level in pit ≈ O_inches.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Check valve stems, flanges and fittings at all HTW mains:  Next Stight and it is took from Italy a stem  Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  OK  Check for steam flowing from HTW conduit vents:	k valve stems, flanges and fittings at all HTW mains:  Nexy slight and libe lank from value stem  k drain valves and fittings from all HTW mains:  ok  k valves and fittings on HTW line vents:  ok  k for steam flowing from HTW conduit vents:  Non C = NE NW, SE SW	Check valve stems, flanges and fittings at all HTW mains:    Check drain valves and fittings from all HTW mains:   OK    Check valves and fittings on HTW line vents:   DK    Check for steam flowing from HTW conduit vents:   Non ( : NE	Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>
Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  OK  Check for steam flowing from HTW conduit vents:	Recy slight and ible took from value stem  k drain valves and fittings from all HTW mains:  ok  k valves and fittings on HTW line vents:  ok  k for steam flowing from HTW conduit vents:  Non ( = NE NW SE SW	Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  DK  Check for steam flowing from HTW conduit vents:  Non C = NE NW, SE, SW  Water level in pit ≈ O inches.	Mark location of pit/box and indicate pit/box number on site map.
Check drain valves and fittings from all HTW mains:  Ok  Check valves and fittings on HTW line vents:  Ok  Check for steam flowing from HTW conduit vents:	sk drain valves and fittings from all HTW mains:  ok  sk valves and fittings on HTW line vents:  ok  sk for steam flowing from HTW conduit vents:  Non ( = NE , Nw , SE , Sw	Check drain valves and fittings from all HTW mains:  O  Check valves and fittings on HTW line vents:  O  Check for steam flowing from HTW conduit vents:  Non C: NE, NW, SE, SW  Water level in pit ≈ O_inches.	Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:  Ok  Check valves and fittings on HTW line vents:  Ok  Check for steam flowing from HTW conduit vents:	sk drain valves and fittings from all HTW mains:  ok  sk valves and fittings on HTW line vents:  ok  sk for steam flowing from HTW conduit vents:  Non ( = NE , Nw , SE , Sw	Check drain valves and fittings from all HTW mains:  O  Check valves and fittings on HTW line vents:  O  Check for steam flowing from HTW conduit vents:  Non C: NE, NW, SE, SW  Water level in pit ≈ O_inches.	very slight andible real from labe stem
Check valves and fittings on HTW line vents:	ck valves and fittings on HTW line vents:  ck for steam flowing from HTW conduit vents:  Non C = NE, NW, SE, SW	Check valves and fittings on HTW line vents:  □ k  Check for steam flowing from HTW conduit vents:  □ Non ( = NE ) NW   SE   SW  Water level in pit ≈O_inches.	
Check valves and fittings on HTW line vents:	ck valves and fittings on HTW line vents:  ck for steam flowing from HTW conduit vents:  Non C = NE, NW, SE, SW	Check valves and fittings on HTW line vents:  □ k  Check for steam flowing from HTW conduit vents:  □ Now ( : NE ) NW   SE   SW  Water level in pit ≈Oinches.	Charle designation and Cities a Constitution of
Check valves and fittings on HTW line vents:	k valves and fittings on HTW line vents:  اله	Check valves and fittings on HTW line vents:  □ k  Check for steam flowing from HTW conduit vents:  □ Non ( = NE NW SE SW)  Water level in pit ≈Oinches.	
Check for steam flowing from HTW conduit vents:	ok ek for steam flowing from HTW conduit vents: ルッパ こ ハビ ハル ュミ らい	Check for steam flowing from HTW conduit vents:  Non C = NE, NW, SE, SW  Water level in pit ≈Oinches.	o K
Check for steam flowing from HTW conduit vents:	ok ek for steam flowing from HTW conduit vents: ルッパ こ ハビ ハル・ シミ・Sw	Check for steam flowing from HTW conduit vents:	
Check for steam flowing from HTW conduit vents:	ek for steam flowing from HTW conduit vents: ມາດ ເກັບຄຸດ ເຄັບຄຸດ ເຄັດ ເພື່ອການ ເຂົ້າ ເພື່ອການ ເຄັດ ເພື່ອການ ເຄັດ ເພື່ອການ ເພື່ອກ	Check for steam flowing from HTW conduit vents: $N_{\text{DN}} \in N_{\text{E}} \setminus N_{\text{W}} + S_{\text{E}} + S_{\text{W}}$ Water level in pit $\approx 0$ inches.	Check valves and fittings on HTW line vents:
-	Nonc: NE, NW, SE, SW	$N_{on} C = NE, NW, SE, SW$ Water level in pit $\approx 0$ inches.	<u> </u>
	Nonc: NE, NW, SE, SW	$N_{on} c = NE, NW, SE, SW$ Water level in pit $\approx 0$ inches.	
-	None: NE, NW, SE, SW	$N_{on} C = NE, NW, SE, SW$ Water level in pit $\approx 0$ inches.	
Nonc: NE, NW, SE, SW		Water level in pit ≈ inches.	Check for steam flowing from HTW conduit vents:
· · · · · · · · · · · · · · · · · · ·			Nonc: NE, NW, SE, SW
Water level in pit ≈ inches.	r level in pit ≈ <u> </u>	Other observations or notes:	Water level in pit ≈ inches.
Other observations or notes:	r observations or notes:		Other observations or notes:
			INITIALS:; DATE:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>\\\\^-25-4</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	ok
6.	Check drain valves and fittings from all HTW mains:
	oK
7.	Check valves and fittings on HTW line vents:
	o <
_	
8.	Check for steam flowing from HTW conduit vents:
	None: NW, NE. SW. SE
9.	Water level in pit ≈ <u>^</u> m - inches.
9. 10.	Other observations or notes:
10.	Other observations of notes.

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
6.	Check drain valves and fittings from all HTW mains:
	ok
_	
7.	Check valves and fittings on HTW line vents:
8.	Check for steam flowing from HTW conduit vents:
	None: NE, SW, NW
•	
9.	Water level in pit ≈ <u>-o</u> -inches.
10.	Other observations or notes:
	INITIALS:; DATE:
	11411/ALO, DATE

T. CRIME MAIN PROJECT TO THE PROJECT	
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box	
Pit/Box Number (VP - #, DP - #, VB - #): <u>ΨΡ-25-6</u>	
Mark location of pit/box and indicate pit/box number on site map. ✓	
Check valve stems, flanges and fittings at all HTW mains:	
>k	
Check drain valves and fittings from all HTW mains:	
2k	
Check valves and fittings on HTW line vents:	
ok	
Check for steam flowing from HTW conduit vents:	
MY NONE: NE NW, SE	
Water level in pit ≈ 3 inches. Spn.+ working	
Other observations or notes:	
May Stoppe aut Note stranstock may be vater floring	
	1
·	
INITIALS:; DATE:	

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box Pit/Box Number (VP - #, DP - #, VB - #):	
Mark location of pit/box and indicate pit/box number on site map. ✓  Check valve stems, flanges and fittings at all HTW mains:  SK  Check drain valves and fittings from all HTW mains:  SK  Check valves and fittings on HTW line vents:  SK  Check for steam flowing from HTW conduit vents:  None: FANE, WSW  Water level in pit ≈O ~_inches.	dumber (VD # DD # VD #): 10 3c 77
Check valve stems, flanges and fittings at all HTW mains:  Check drain valves and fittings from all HTW mains:  ok  Check valves and fittings on HTW line vents:  ok  Check for steam flowing from HTW conduit vents:  None: ⟨⟨⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩⟩	Number (VP - #, DP - #, VB - #). 11-7-25-7
Check drain valves and fittings from all HTW mains:  ok  Check valves and fittings on HTW line vents:  ok  Check for steam flowing from HTW conduit vents:  None: Exic, wsw  Water level in pit ≈ -0 ~ inches.	ation of pit/box and indicate pit/box number on site map. ✓
Check valves and fittings on HTW line vents:  ok  Check for steam flowing from HTW conduit vents:  None: ⟨⟨⟩⟩⟩ ωςω  Water level in pit ≈O ~ inches.	
Check valves and fittings on HTW line vents:	rain valves and fittings from all HTW mains:
Check for steam flowing from HTW conduit vents:  None: FA)E, wsw  Water level in pit ≈O ~ inches.	ok.
Name: $EXE$ , $WSW$ Water level in pit $\approx -0$ inches.	
Name: $E\lambda E$ , $WSW$ Water level in pit $\approx -0$ inches.	or steam flowing from HTW conduit vents:
	None: FAIF, WSW
Other observations or notes:	evel in pit ≈ <u>-0 -</u> inches.
	oservations or notes:

HTVV Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-23-3</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Valve stems leaking steam (very slight) on Atoth
HTW supply and return main valves
. 1
Check drain valves and fittings from all HTW mains:
ok
Check valves and fittings on HTW line vents:
oK
Check for steam flowing from HTW conduit vents:
None NE
None SW
NW want line is copped w/sever plug
Water level in pit ≈ <u>-Ø-</u> inches.
Other observations or notes:
- has another ~   4 S+R lines toward NW
- insulation missing on ~ 2' of lines to NW
$\theta$

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>₩-7 3 - 9</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Ok
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
n k
Check for steam flowing from HTW conduit vents:
None: NE, NW, SE, SW
Water level in pit ≈ -0 - inches.
Other observations or notes:
also has HTW SOR toward the SW (~2"dia)
INITIAL C. DATE
INITIALS:; DATE:

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): \(\frac{10-25-10}{2}\)
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
<u>ok</u>
Check for steam flowing from HTW conduit vents:
None: NW, NE, SW, SE
Materia de la companya del companya del companya de la companya de
Water level in pit ≈ 12 inches. Sp not working
Other observations or notes:
also has HTW SAR lines to the NW

1.	HTW Zone No.: 1; 2N; 2S/; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>∪ የ-25- ()</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	6/5
6.	Check drain valves and fittings from all HTW mains:
	o k
7.	Check valves and fittings on HTW line vents:
	<u>ok</u>
8.	Check for steam flowing from HTW conduit vents:
	Non: NW
	None-SW
9.	Water level in pit ≈ <u>- 0 - i</u> nches.
0.	Other observations or notes:
	Electrical anduit for sump pump is broken where it enters
	the valve pit. Metal pit cover avative is rubbing
	the value pit. Motal pit cover grating is rubbing against the electrical wire and scraping off the
	insulation. Shock hazzard and should be fixed ASAP.
	I put in work order at DPW.
	INITIALS: ; DATE:

業

	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): 16-3-1
	Mark location of pit/box and indicate pit/box number on site map.
j.	Check valve stems, flanges and fittings at all HTW mains:
*	Steam /HTW Leak around insulation of ITW round valve
	Steam/HTW Leak around insulation, of 1700 print valve Equiv. to small stream of water. Biggest Irak scen yet-
	Check drain valves and fittings from all HTW mains:
	some ok
	Some under water
	Check valves and fittings on HTW line vents:
	Blook
	Check for steam flowing from HTW conduit vents:
	Check for steam flowing from HTW conduit vents:  NF - Noue
-	Check for steam flowing from HTW conduit vents:
	Check for steam flowing from HTW conduit vents:  NF - Nour  SE - 11
	Check for steam flowing from HTW conduit vents:  NF - Nour  SE - 11
•	Check for steam flowing from HTW conduit vents:  NF - Nour  SE - 11  Water level in pit = 12 inches. Sp ust plunged in Other observations or notes:
•	Check for steam flowing from HTW conduit vents:  NF - Nour  SE - 11  Water level in pit = 12 inches. Sp not plunged in Other observations or notes:
•	Check for steam flowing from HTW conduit vents:  NF - Nour  SE - 11  SW - 11  Water level in pit ≈ 12 inches. SP not plunged in
•	Check for steam flowing from HTW conduit vents:  NF - Nour  SE - 11  Water level in pit = 12 inches. Sp and plunged in Other observations or notes:
•	Check for steam flowing from HTW conduit vents:  NF - Nour  SE - 11  Water level in pit = 12 inches. Sp and plunged in Other observations or notes:

1.	HTW Zone No.: 1; 2N; 2S; 3/; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>√(?-2-2</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	olc
6.	Check drain valves and fittings from all HTW mains:
	0/<
7.	Check valves and fittings on HTW line vents:
	<u>ok</u>
	******
8.	Check for steam flowing from HTW conduit vents:
*	NW - slight drip + vent pipe is hot (swrite)
	NW - slight drip + vent-pipe is hot (swpipe)  SE - None
9.	Water level in pit ≈ 18 + inches. Sump Pump is on top of pit cover.
10.	Other observations or notes:

HTW Zone No.: 1; 2N; 2S; 3 <u><!--</u-->_; SEP</u>
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>Υρ - 3 - 2Λ</u>
Mark location of pit/box and indicate pit/box number on site map. ✓
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
ok
Check valves and fittings on HTW line vents:
1/17/96 slight stem Flow From base of HTW line vent/NW &
Check for steam flowing from HTW conduit vents:
-
NE-vent closed w/ seven plug
Water level in pit ≈ <u>\%</u> ₊ inches.
Other observations or notes:
missing insul: : Ivalve, 145° elbour ~3" pipe

t	11VV Zone No.: 1; 2N; 2S; 3; SEP
-	Гуре of Pit/Box: Valve Pit <u>✓</u> ; Drain Pit; Valve Box
F	Pit/Box Number (VP - #, DP - #, VB - #): <u>→ 1 - 3 - 3</u>
ľ	Mark location of pit/box and indicate pit/box number on site map.
(	Check valve stems, flanges and fittings at all HTW mains:
	, k
_	
_	
(	Check drain valves and fittings from all HTW mains:
-	0 K
-	
(	Check valves and fittings on HTW line vents:
	0 K
-	
	Check for steam flowing from HTW conduit vents:
	NW - steam flow (small) from CV of Swipe
	SW - None
	SE- 11
1	Water level in pit ≈ <u>0</u> inches.
į	Other observations or notes:
•	
•	
•	

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box  Pit/Box Number (VP - #, DP - #, VB - #):	HTW Zone No.: 1; 2N; 3; SEP
Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  OK  Check drain valves and fittings from all HTW mains:  NA  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NA  Water level in pit ≈ 12 inches. Sp. ust working  Other observations or notes:  - Pit hat an map  Stabents and y For Future (1156)	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Check valve stems, flanges and fittings at all HTW mains:  OK  Check drain valves and fittings from all HTW mains:  NA  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NA  Water level in pit = 12 inches. Sp. not working  Other observations or notes:  Pit not en map  Stubents any -for future use	Pit/Box Number (VP - #, DP - #, VB - #): <u>119-3-3α</u>
Check drain valves and fittings from all HTW mains:  NA  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NA  Water level in pit = 12 inches. Sp not working Other observations or notes:  Pithot en map  Stubents any -for future use	Mark location of pit/box and indicate pit/box number on site map.
Check drain valves and fittings from all HTW mains:  NA  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NA  Water level in pit = 12 inches. Sp. not working  Other observations or notes:  Pithot an map  Stubents and y - For Future use	
Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NA  Water level in pit = 12 inches. Sp. Not working Other observations or notes:  - Pithot en map  Stubents and y - For Future 1158	O K
Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NA  Water level in pit = 12 inches. Sp ust working  Other observations or notes:  Pithot en map  Stubents and y - For Future 1138	Check drain valves and fittings from all HTW mains:
Check for steam flowing from HTW conduit vents:  NA  Water level in pit = 12 inches. Sp. not working  Other observations or notes:  - Pit hot en map  - Stubents enly - For Future use	NA
Check for steam flowing from HTW conduit vents:  NA  Water level in pit = 12 inches. Sp ust working  Other observations or notes:  - Pit hat an map  - Stubents anly - For Future 1158	
Water level in pit ≈ 12 inches. Sp not working Other observations or notes:  — Pit not an map  — Stub ants any - For future use	
Water level in pit ≈ 12 inches. Sp not working Other observations or notes:  — Pit not an map  — Stub ants any - For Future use	
Other observations or notes:  - Pit hot on map  - Stubouts only - For Future use	
Other observations or notes:  - Pithot on map  - Stubouts only - For Future use	
Other observations or notes:  - Pit hot an map  - Stubowts andy - For Future use	Water level in pit ≈ 12 inches. Sp uot working
	Other observations or notes:
	- Pithot on map
	- Stybowts only - For Future use
AUTIAL O DATE:	
AUTIAL O. DATE:	
INITIALS: ' LIATE'	INITIALS:; DATE:

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): \(\frac{\sqrt{10-3-4}}{2}\)
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
<u> </u>
Check drain valves and fittings from all HTW mains:
o k
·
Chook volves and fittings on LITM/line worter
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
NE-ok
SE - closed w/ screw plug
Water level in pit ≈ 12+inches. Sp not working.
Other observations or notes:
1 HTW Pipe 1/2 way under water
INITIALS:; DATE:

	1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
	2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\frac{\partial P - 3 - 5}{\partial}\)</u>
	4.	Mark location of pit/box and indicate pit/box number on site map.
	5.	Check valve stems, flanges and fittings at all HTW mains:
		mains ok
*		
		- Value stem to strib out headed NW is leaking HTW at a 1 drop/10 sec + a 1.410 strain
	6.	Check drain valves and fittings from all HTW mains:
		some ok.
		Some under water
	7.	Check valves and fittings on HTW line vents:
		<u>Ok</u>
	8.	Check for steam flowing from HTW conduit vents:
		SW-None
		SE-
		NE - Y
	9.	Water level in pit ≈ 12 inches.
	10.	Other observations or notes:
		INITIALS:; DATE:

Type of Pit/Box: Valve Pit ✓; Drain Pit; Valve Box  Pit/Box Number (VP - #, DP - #, VB - #): <u>VP - 3 - 6</u> Mark location of pit/box and indicate pit/box number on site map. ✓  Check valve stems, flanges and fittings at all HTW mains:  Discrete by k  Check drain valves and fittings from all HTW mains:  Discrete valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NB - None  SE - 11  Water level in pit ≈ 6 inches.  Other observations or notes:  Pit is not where Shown on map - See warkup	HIVV ZOI	ne No.: 1; 2N; 2S; 3; SEP
Pit/Box Number (VP - #, DP - #, VB - #): VP-3 -6  Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  Discheck drain valves and fittings from all HTW mains:  Okeck drain valves and fittings from all HTW mains:  NA  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NW - Nove  SE - 11  NE - 11  Vater level in pit ≈ _6 _ inches.  Other observations or notes:	Type of F	Pit/Box: Valve Pit; Drain Pit; Valve Box
Check valve stems, flanges and fittings at all HTW mains:  Dick  Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NW - None  SE - ''  NE - ''  Vater level in pit ≈6inches.  Other observations or notes:		
Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NW - Nove  SE - ''  NE - ''  NE - ''  Vater level in pit ≈ _6 _ inches.  Other observations or notes:	Mark loc	ation of pit/box and indicate pit/box number on site map.
Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  NW - Nove  SE - ''  NE - ''  NE - ''  Vater level in pit ≈ _6 _ inches.  Other observations or notes:	Check va	alve stems, flanges and fittings at all HTW mains:
Check valves and fittings on HTW line vents:		
Check valves and fittings on HTW line vents:		
Check valves and fittings on HTW line vents:		
Check valves and fittings on HTW line vents:	Check dr	
Check for steam flowing from HTW conduit vents:  NW - NONE  SE - 'I  NE - II  Vater level in pit ≈ _6 _ inches.  Other observations or notes:		oK
Check for steam flowing from HTW conduit vents:  NW - NONE  SE - 'I  NE - II  Vater level in pit ≈ _6 _ inches.  Other observations or notes:		
Check for steam flowing from HTW conduit vents:  NW - NONE  SE - 'I  NE - II  Vater level in pit ≈ _6 _ inches.  Other observations or notes:	2h a al	
Check for steam flowing from HTW conduit vents:  NW - None  SE - コ  NE - コ  Vater level in pit ≈ _ 6 _ inches.  Other observations or notes:	Jneck va	
$NW - NONE$ $SE - 11$ $NE - 11$ $Vater level in pit ≈ _6 _ inches.$ $Other observations or notes:$		_ N A
$NW - NONE$ $SE - 11$ $NE - 11$ $Vater level in pit ≈ _6 _ inches.$ $Other observations or notes:$		
$NW - NONE$ $SE - 11$ $NE - 11$ $Vater level in pit ≈ _6 _ inches.$ $Other observations or notes:$	heck fo	or stoom flowing from UTW conduit works
$SE = 11$ $NE = 11$ Vater level in pit $\approx 6$ inches.  Other observations or notes:		
NE - 11  Vater level in pit ≈ 6 inches.  Other observations or notes:		SE = 11
Vater level in pit ≈inches.  Other observations or notes:		NE- 11
Other observations or notes:		
Pit is not where Shown on map-see markup		
The sopere of soon on viery see markap	_	
		= 100 ways see warrup
	***	

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #):
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:  ハ人
Check for steam flowing from HTW conduit vents:
Sw-ok
SE- very light flow and occasional drip from both HTW const. voits heading se
Dot! HTW Cours. voits heading SE
Water level in pit ≈ inches.
Other observations or notes:  2 trees growing in pit
INITIALS:; DATE:

- 1	HTVV Zone No.: 1; 2N; 2S; 3; SEP
-	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Į	Pit/Box Number (VP - #, DP - #, VB - #): <u>\P-3- 8</u>
ľ	Mark location of pit/box and indicate pit/box number on site map.
(	Check valve stems, flanges and fittings at all HTW mains:
_	ΰK
_	
_	
(	Check drain valves and fittings from all HTW mains:
_	ok.
-	
-	
(	Check valves and fittings on HTW line vents:
_	NA
_	
_	Charles for all and flowing for the Later of the Control of the Co
•	Check for steam flowing from HTW conduit vents:
-	Sw-None SE-11.
-	5e (1
١	Water level in pit ≈ <u>- ⊘ -</u> inches.
	Other observations or notes:
_	
_	
_	
-	

HTW Zone No.: 1; 2N; 2S; 3/; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): $\sqrt{-3-9}$
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
E - Greaty Gener Flow from figures most p. pe
Water level in pit ≈ inches.
Other observations or notes:

INITIALS: \_\_\_\_; DATE: \_\_\_\_

X

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box  Pit/Box Number (VP - #, DP - #, VB - #): \( \frac{1}{2-10} \)  Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains: \( \frac{1}{0} \)  Check drain valves and fittings from all HTW mains: \( \frac{0}{0} \)  Check valves and fittings on HTW line vents: \( \frac{1}{10} \)  Check for steam flowing from HTW conduit vents: \( \frac{1}{10} \)  Check for steam flowing from HTW conduit vents: \( \frac{1}{10} \)  Check for steam flowing from HTW conduit vents: \( \frac{1}{10} \)  Check for steam flowing from HTW conduit vents: \( \frac{1}{10} \)  Water level in pit \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Water level in pit \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW line vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings on HTW conduit vents: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}{10} \)  Other check valves and fittings at all HTW mains: \( \frac{1}	one No.: 1; 2N; 2S; 3/; SEP
Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  **Ok*  Check drain valves and fittings from all HTW mains:  **ok*  Check valves and fittings on HTW line vents:  **NA*  Check for steam flowing from HTW conduit vents:  **W-Gnall steam flow from sontly most pipe  **N- Strady flow distant back drip from western most pipe  **N- Strady flow distant back drip from western most pipe  **Water level in pit ** inches SP works - adj. level confiel  Water level in pit ** inches SP works - adj. level confiel	Pit/Box: Valve Pit; Drain Pit; Valve Box
Check drain valves and fittings from all HTW mains:  OK  Check drain valves and fittings from all HTW mains:  OK  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  W-Gnall steam flow from southern most pipe  N-Steady flow distant book drip from western most pipe  Water level in pit = 4 inches. Sp works - ads. level conduit	Number (VP - #, DP - #, VB - #): <u>VP-2-16</u>
Check drain valves and fittings from all HTW mains:  ok  Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  W-gnall steam flow from southern most pipe  N- Strady flow distant book drip from western most pipe  Water level in pit = 4 inches. SP works - ads. level control	cation of pit/box and indicate pit/box number on site map.
Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  W- Snall stan flow from southern nost pipe  N - Strady flow distan occ. drip from western most pipe  Water level in pit = 4 inches. SP works - adj. level control	,
Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  W-Gnall steam flow from southern most pipe  N- Steady flow distant occ. drip from western most pipe  Water level in pit = 4 inches. SP works - adj. level control	drain valves and fittings from all HTW mains
Check valves and fittings on HTW line vents:  NA  Check for steam flowing from HTW conduit vents:  W-5mall steam flow from southern most pipe  N ~ Steady flow distant occ. drip From western most Pipe  Water level in pit = 4 inches. 5P works - ads. level control	
Check for steam flowing from HTW conduit vents:  W-Gnall steam flow from southern most pipe  N- Steady flow distant occ. drip from western most pipe  Water level in pit = 4 inches. SP works - adj. level control	
Check for steam flowing from HTW conduit vents:  W-Gnall steam flow from southern most pipe  N- Steady flow distant occ. drip from western most pipe  Water level in pit = 4 inches. SP works - adi. level control	
W- gnall stean flow from southern most pipe  N- Steady flow distant occ. drip from western most pipe  Water level in pit = 4 inches. SP works - adi. level control	
W- gnall stean flow from southern most pipe  N- Steady flow distant occ. drip from western most pipe  Water level in pit = 4 inches. SP works - adi. level control	
N- Steady flow distant occ. drip From western most pipe.  Water level in pit ≈ 4 inches. SP works - adj. level control	
N- Steady flow distant occ. drip From western most pipe.  Water level in pit ≈ 4 inches. SP works - adj. level control	W- small stean flow from southern nost pipe
	N- Steady flow of steam occ. drip From western wost pipe
Other phonocial and a set of	evel in pit = 4 inches. SP works - adj. level control
	bservations or notes:
Stendy stream of water leaking into pit from around	idy stream of water leaking into pit from around
Conduit at North eld of pit - can not fell if it is H	adust at North el of pit - can not fell if it is HTE
	ground water. ~ 14 gal /min.

	1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
	2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-3-11</u>
	4.	Mark location of pit/box and indicate pit/box number on site map.
	5.	Check valve stems, flanges and fittings at all HTW mains:
X		- Striim Flowing from main value of northern pipe at
		- String Flowing from main value of northern pipe at last wall of pit - exhive to ~ 1/8" stream of water.
•		
	6.	Check drain valves and fittings from all HTW mains:
		oK
	7.	Check valves and fittings on HTW line vents:
		NA NA
	8.	Check for stoom flowing from UTW conduit wants
	0.	Check for steam flowing from HTW conduit vents:
		W- steady flow from both vonts  E- slight flow from vent of southern apr
		- > 11 get + 10 w 116m vent of soldler api
	9.	Water level in pit ≈ 1/2 inchex. SP works
1	0.	Other observations or notes:
*		About Harris I apm water is flowing into pit from around bot
		About Marin 1 gpm water is flowing will pit from around bot foundits at east end of pit. Flow may be higher-ground is soaked + there are puddles from the sums pump drainpipe
		is soaked + there are puddles from this sums pund drain pipe

INITIALS: \_\_\_\_; DATE: \_\_\_\_

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): 12-12
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	ok
6.	Check drain valves and fittings from all HTW mains:
	<u> </u>
7.	Check valves and fittings on HTW line vents:
	<u>ok</u>
	· · · · · · · · · · · · · · · · · · ·
8.	Check for steam flowing from HTW conduit vents:
	None Nami E
>	L fair against of stean flow from west vent (of south pipe)
9.	Water level in pit ≈ <u>O</u> inches.
0.	Other observations or notes:
	INITIALS:; DATE:

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>1/6-3-13</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
None NEÈSIN
Water level in pit ≈ inches. Sp not working
Other observations or notes:
- was lack fixed near here?  - pipe toup on onlyide ~ 90°F and 125°F
pipe temp on white ~ 90° E and 125° E
- ground savface temp, at exp. lobo near hear is ~ 890 F
INITIALS: ; DATE:

	HTW Zone No.: 1; 2N; 2S; 3; SEP
	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	Pit/Box Number (VP - #, DP - #, VB - #): <u>√P-3-13 A</u>
	Mark location of pit/box and indicate pit/box number on site map.
	Check valve stems, flanges and fittings at all HTW mains:
	Check drain valves and fittings from all HTW mains:
	oK
	Check valves and fittings on HTW line vents:
	Λ <b>)</b> Δ
	Check for steam flowing from HTW conduit vents:
	Check for steam flowing from HTW conduit vents:
	Check for steam flowing from HTW conduit vents:  BCCasaaa clight stronglass from Sw went (piped-most sc)
_	Check for steam flowing from HTW conduit vents:
,	Check for steam flowing from HTW conduit vents:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>ΨΦ - 3 - 1 4</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
6.	Check drain valves and fittings from all HTW mains:
7.	Check valves and fittings on HTW line vents:
8. <i>≰</i>	Check for steam flowing from HTW conduit vents:  Steam (1-w and drips from NW vents (slightly more from NE and Name From SE vents
9.	Water level in pit ≈ inches.
0.	Other observations or notes:

HTW Zone No.: 1; 2N; 2S; 3; SEP	
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box	
Pit/Box Number (VP - #, DP - #, VB - #): <u>네무-코-1를</u>	
Mark location of pit/box and indicate pit/box number on site map.	
Check valve stems, flanges and fittings at all HTW mains:	
It flange of HTWR valvestrom is leaking. Straw com	ale. 4-
to very soul continuous eterm of Him	
Check drain valves and fittings from all HTW mains:	
o K	
Check valves and fittings on HTW line vents:	
ok	
Check for steam flowing from HTW conduit vents:	
NW - Mone	
NE U	
Sw - 11	
Water level in pit ≈ inches.	
Other observations or notes:	
INITIALS:; DATE:	
· · · · · · · · · · · · · · · · · · ·	

1.	HTW Zone No.: 1; 2N; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): 1/2-3 - 16
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
<i>⇒</i> ⊀	flande leaking of Hamming in it (pipe toward E). eg.
	to Small route stream of material 2x more than value VP-345
6.	Check drain valves and fittings from all HTW mains:
	01<
7.	Check valves and fittings on HTW line vents:
	nk
	·
8.	Check for steam flowing from HTW conduit vents:
	None E+W
0	
9.	Water level in pit ≈oinches.
10.	Other observations or notes:
	missing insulation on some value it of is leaking
	INITIALS:; DATE:
	11111/1CO, Ditte

INITIALS: \_\_\_\_; DATE: \_\_\_\_

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>∀ℓ-3 - ℓ 7</u>
Mark location of pit/box and indicate pit/box number on site map. ✓
Check valve stems, flanges and fittings at all HTW mains:
ე k
Check drain valves and fittings from all HTW mains:
o (C
Check valves and fittings on HTW line vents:
<u> </u>
Check for steam flowing from HTW conduit vents:
E-None
•
Water level in pit ≈ <u>O</u> inches.
Other observations or notes:
school only no enduser yet
INITIALS:; DATE:

INITIALS: \_\_\_\_; DATE: \_\_\_\_

	111 W Zone No.: 1, ZN, ZS, 3, SEP	
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box	
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>	
4.	Mark location of pit/box and indicate pit/box number on site map. ✓	
5. <sup>২</sup>	Check valve stems, flanges and fittings at all HTW mains:  Flange - Nalve From South is lanking. Fish, Steam Janiv.	¥
	to ~ 1 drop /sec.	715
5.	Check drain valves and fittings from all HTW mains:	
	o k	
7.	Check valves and fittings on HTW line vents:	
	ok	
3.	Check for steam flowing from HTW conduit vents:	
	Nons-4), E+5	
<b>9</b> .	Water level in pit ≈ inches.	
).	Other observations or notes:	
	missing insulation: same valve that is leaking	

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

	111 VV Zone No 1, ZN, ZS, SEP
•	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	Pit/Box Number (VP - #, DP - #, VB - #): <u>\\P-3 - 19</u>
	Mark location of pit/box and indicate pit/box number on site map.
	Check valve stems, flanges and fittings at all HTW mains:
	6 k
•	
•	
-	Check drain valves and fittings from all HTW mains:
•	
•	
•	Check valves and fittings on HTW line vents:
	b k
•	
-	
•	Check for steam flowing from HTW conduit vents:
	None NS, E + W
•	
١	Water level in pit ≈ 3 inches. Sp n.+ working. Adj. or change float
(	Other observations or notes:
	HTW SHE 40 MS, F+W- diff the shows on many
-	
-	
-	

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>/ P - 5 - 2.0</u>
4.	Mark location of pit/box and indicate pit/box number on site map. ✓
5.	Check valve stems, flanges and fittings at all HTW mains:
	<u> </u>
3.	Check drain valves and fittings from all HTW mains:
	6  <
7.	Check valves and fittings on HTW line vents:
•	ok
3.	Check for steam flowing from HTW conduit vents:
	Nous N+S
€.	Water level in pit ≈inches.
).	Other observations or notes:
	INITIALS:; DATE:

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>√ℓ - 3 - 2 1</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
ok
Check drain valves and fittings from all HTW mains:
OK
Check valves and fittings on HTW line vents:
o k
Check for steam flowing from HTW conduit vents:
None S+ W
Water level in nit
Water level in pit ≈inches.
Other observations or notes:
leaking sound from Meth. emip room of bldg
224.
INITIALS:; DATE:

HTVV Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>
Mark location of pit/box and indicate pit/box number on site map. ✓
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
o k
Check valves and fittings on HTW line vents:
ok
Check for steam flowing from HTW conduit vents:
N- None
5 - 11
W - "
Water level in pit ≈ 2 inches. SP not working
Other observations or notes:
INITIALS:; DATE:
, D/(I L

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>√ P - 3 - 2 3</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
n k
Check drain valves and fittings from all HTW mains:
ok
Check valves and fittings on HTW line vents:
, \ \ A
$\mathcal{N}^{\nabla}$
Check for steam flowing from HTW conduit vents:
Check for steam flowing from HTW conduit vents:  NE - Vent closed of seven plag
Check for steam flowing from HTW conduit vents:  NE - Vent closed of seven plag  NW - None.
Check for steam flowing from HTW conduit vents:  NE - Vent closed of seven plan  NW - None.
Check for steam flowing from HTW conduit vents:  NE - Vent closed of seven plan  NW - None.
Check for steam flowing from HTW conduit vents:  NE - Vent closed of seven plag  NW - None.
Check for steam flowing from HTW conduit vents:  NE - Vent closed w/ seven plun  NW - None  SW - None  Water level in pit = 3 inches. Sump pump not working - motor cycles of toff(soste) is primped.  Other observations or notes:
Check for steam flowing from HTW conduit vents:  NE - Vent closed w/ seven plun  NW - None  SW - None  Water level in pit = 3 inches. Sump pump not working - motor cycles of toffice the conduction. Water level in pit = 3 inches.
Check for steam flowing from HTW conduit vents:  NE - Vent closed w/ seven plun  NW - None  SW - None  Water level in pit = 3 inches. Sump pump not working - motor cycles of toff(soste) is primped.  Other observations or notes:

П	1 VV Zone No 1, ZN, ZS, S, SEP
Т	ype of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pi	it/Box Number (VP - #, DP - #, VB - #): <u>\(\psi - 3 - 24\)</u>
Μ	ark location of pit/box and indicate pit/box number on site map.
C	heck valve stems, flanges and fittings at all HTW mains:
	ok
C	heck drain valves and fittings from all HTW mains:
	ok
C	heck valves and fittings on HTW line vents:
	o K
_	
<u>-</u>	heck for steam flowing from HTW conduit vents:
	-
	SE-None NE-11
_	
Λ -	Vater level in pit ≈ 1_inches. adj. Floaf?
	Other observations or notes:
	insul. missing from 1 main Valve
_	
	INITIALS:; DATE:
	######################################

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>√ P- 3 - 24 A</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	ok
6.	Check drain valves and fittings from all HTW mains:
7.	Check valves and fittings on HTW line vents:
••	ok
8.	Check for steam flowing from HTW conduit vents:
	SE-None
	NW - None
	SW-None
9.	Water level in pit ≈inches.
10.	Other observations or notes:
	-This pit is not on map
	•
	- missing insul: Main LAW line - letter + 2 Valve
	INITIALS:; DATE:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>vP-3-248</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	o k
6.	Check drain valves and fittings from all HTW mains:
	ok
7.	Check valves and fittings on HTW line vents:
	n k
3.	Check for steam flowing from HTW conduit vents:
	NW - None
	NETU
	SW - "
).	Water level in pit ≈inches.
).	Other observations or notes:
	- missing insul on 2 valves ~ 3" pipe
	This pit not on map.
	INITIALS:; DATE:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-3-24c</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
6.	Check drain valves and fittings from all HTW mains:
7.	Check valves and fittings on HTW line vents:
8.	Check for steam flowing from HTW conduit vents:  Δ)ω - Νεμε
9.	Water level in pit ≈ <u>○</u> inches.
10.	Other observations or notes:
	-This pit not on map
	- Stub outs only for future use
	INITIALS:; DATE:

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>√ℓ - 3 - 2.5</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
ok
Check drain valves and fittings from all HTW mains:
ólc
Check valves and fittings on HTW line vents:
o k
Check for steam flowing from HTW conduit vents:
SW-None
Water level in pit ≈ _ ⊘ inches.
Other observations or notes:
Subouts only - For fature use

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\rho\rho\rangle\) - 2 \(\sigma\rho\)</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
o k
Check drain valves and fittings from all HTW mains:
<u>ok</u>
Check valves and fittings on HTW line vents:
<u>ok</u>
Charle for stoom flowing from LITM and differents
Check for steam flowing from HTW conduit vents:
NW-None SE- 11
<u> </u>
Water level in pit ≈ 1/2 inches. a dj. Float on SP.
Other observations or notes:
this pit not on map

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>1ρ-5-26</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
ok
Check drain valves and fittings from all HTW mains:
two ok
two are under water
Check valves and fittings on HTW line vents:
$\mathcal{N}\Delta$
Check for steam flowing from HTW conduit vents:
SE-None
NW = 11
Water level in pit ≈ 18 inches. SP not working.
Other observations or notes:
Some insul soaked due to high water level
INITIAL C. DATE.

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTW Zone No.: 1; 2N; 2S; 3/; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>VP - 3 - 26</u> A
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
ok
Check drain valves and fittings from all HTW mains:
<u> </u>
Check valves and fittings on HTW line vents:
Ok_
Check for steam flowing from HTW conduit vents:
NE-None SW-None
Water level in pit ≈ inches. <pre></pre>
Other observations or notes:
This pit not on map

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

111 V Zone No.: 1, ZN, ZS, S, SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>VP - 3 - 27</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
~ 1 drop/sec is comming from insulation around HTW
Main value near Ew vail of fit, also slight visible
steem from the same correct
Check drain valves and fittings from all HTW mains:
OK
Check valves and fittings on HTW line vents:
NA
Check for steam flowing from HTW conduit vents:
SE-None
Sw - None
Water level in pit ≈ 18 inches. No sump pump or piping for st
Other observations or notes:
insulamissing: 1 valve + 1 elbon of main

111 V Zone No.: 1, ZN, 25, 5, 5
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u> </u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
5 K
Check drain valves and fittings from all HTW mains:
ok
Check valves and fittings on HTW line vents:
ok
Check for steam flowing from HTW conduit vents:
N- None
5- 11
W - 11
Water level in pit ≈0 inches.
Other observations or notes:
INITIALS: DATE:

Type of Pit/Box: Valve Pit; Drain Pit; Valve Box Pit/Box Number (VP - #, DP - #, VB - #): ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	HTW Zone No.: 1; 2N; 2S; 3; SEP
Mark location of pit/box and indicate pit/box number on site map.  Check valve stems, flanges and fittings at all HTW mains:  NA  Check drain valves and fittings from all HTW mains:  Check valves and fittings on HTW line vents:  Check for steam flowing from HTW conduit vents:  No  Water level in pit ≈inches.  Other observations or notes:  No Valves fix mains	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Check drain valves and fittings from all HTW mains:  Check drain valves and fittings from all HTW mains:  Check valves and fittings on HTW line vents:  Check for steam flowing from HTW conduit vents:    Nov	Pit/Box Number (VP - #, DP - #, VB - #): The second
Check drain valves and fittings from all HPW mains:  Check valves and fittings on HPW line vents:  Check for steam flowing from HTW conduit vents:  Nov.  Water level in pit =inches.  Other observations or notes:  No Nature for the mains	Mark location of pit/box and indicate pit/box number on site map.
Check valves and fittings on ⊞™ line vents:  Check for steam flowing from HTW conduit vents:  Nonc  Water level in pit ≈inches.  Other observations or notes:  No Nalyes on mains	<b>\                                    </b>
Check for steam flowing from HTW conduit vents:  \[ \int_{0\infty} \int \]  Water level in pit ≈inches.  Other observations or notes:  \[ \int_{0\infty} \forall \infty \in	Check drain valves and fittings from all HTW mains:
Water level in pit ≈inches.  Other observations or notes:  No Values on mains	Check valves and fittings on HTW line vents:
Water level in pit ≈inches.  Other observations or notes:  No Values on mains	
Water level in pit ≈inches.  Other observations or notes:  No Values on mains	Check for steam flowing from HTW conduit vents:
Other observations or notes:  No Nalves on mains	None
Other observations or notes:  No Values on mains	·
No Valves on mains	Water level in pit ≈inches.
	Other observations or notes:
INITIAL C DATE.	No Valves on mains
INITIAL C DATE.	
INITIAL C DATE.	
INITIAL C DATE.	
	INITIALS: DATE:

HTW Zone No.: 1; 2N; 3; SEP _/_
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>VP/VP-016</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Borstermen; sk
Et com
Check drain valves and fittings from all HTW mains:
ok
Chack valves and fittings on HTM line wants.
Check valves and fittings on HTW line vents:
D K
Check for steam flowing from HTW conduit vents:
None: NE à SW
Water level in pit ≈ <u>O</u> inches.
Other observations or notes:
No value on esteam wain
INITIALS:; DATE:

HTW Zone No.: 1; 2N; 2S; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\frac{11-5-7}{}\)</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
0k
Check drain valves and fittings from all HTW mains:
o k
Check valves and fittings on HTW line vents:
ok
Check for steam flowing from HTW conduit vents:
Nonc : NW
Water level in pit ≈ <u>0-</u> inches.
Other observations or notes:
ATW not used, only stub only for future use
INITIALS:; DATE:

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>가은 5~ ③</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	nk
6.	Check drain valves and fittings from all HTW mains:
	06
7.	Check valves and fittings on HTW line vents:
	o K
8.	Check for steam flowing from HTW conduit vents:
	None! NE É NW
9.	Water level in pit ≈ <u>-0</u> - inches.
10.	Other observations or notes:
	- sump pump on withouter in pit - adjulant controls
	missing insal: 5' Dior - 1 value  11 ' ' ' ' ' ' ' Value  11 ' ' ' ' ' ' ' ' Value  12 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
	: 4" pict - 1 valve
	INITIALS:; DATE:

	HTW Zone No.: 1; 2N; 2S; 3; SEP/
	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
	Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-3-9</u>
	Mark location of pit/box and indicate pit/box number on site map.
	Check valve stems, flanges and fittings at all HTW mains:
	Check drain valves and fittings from all HTW mains:
	, k
	Check valves and fittings on HTW line vents:
	Check for steam flowing from HTW conduit vents:
	None: NW+SE
	Water level in pit ≈O_ inches.
	Water level in pit ≈ <u>−</u> 0~ inches.  Other observations or notes:
	Other observations or notes:
-	· · · · · · · · · · · · · · · · · · ·
	Other observations or notes:

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

HTVV Zone No.: 1; 2N; 2S; 3; SEP _/
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\frac{16-5-16}{}\)</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
<u> </u>
Check drain valves and fittings from all HTW mains:
n k
Check valves and fittings on HTW line vents:
<u>ok</u>
Check for steam flowing from HTW conduit vents:
None NW
None SE
SW (to blfg 2002) yest is capped solscoon place
Water level in pit ≈ <u>-0</u> - inches.
Other observations or notes:
- messing insul: 6" side; 2 values, Malhon
INITIALS:; DATE:

111 VV Zorie No 1, ZN, ZS, S, SEP/_
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>- 18 - S - 11</u>
Mark location of pit/box and indicate pit/box number on site map. /
Check valve stems, flanges and fittings at all HTW mains:
o k
Check drain valves and fittings from all HTW mains:
ok .
Check valves and fittings on HTW line vents:
ok
Check for steam flowing from HTW conduit vents:
None: NW, NE, SW, SE
Water level in pit ≈ <u>~ ∅ ~</u> inches.
Other observations or notes:
- · · · · · · · · · · · · · · · · · · ·
- missing insulation: 12 pipe: 3 flanges, 1 value, ~ 5 LF
,
- groundwater Eropicy From SW + NE conduit

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
3.	Pit/Box Number (VP - #, DP - #, VB - #): <u>VP-5-12</u>
4.	Mark location of pit/box and indicate pit/box number on site map.
5.	Check valve stems, flanges and fittings at all HTW mains:
	<u>ok</u>
6.	Check drain valves and fittings from all HTW mains:
	oK
7.	Check valves and fittings on HTW line vents:
	014
8.	Check for steam flowing from HTW conduit vents:
	light steam-flow and drip from NW yent
	Check for steam flowing from HTW conduit vents:    ight steam flow and drip from NW vent  None: NE'SE
9.	Water level in pit ≈ <u>-0</u> inches.
10.	Other observations or notes:
	missing insulation on ~ 1 ft of pipe w/2 value + 2 things
	J
	INITIALS:; DATE:
	·

HTW Zone No.: 1; 2N; 3; SEP
Type of Pit/Box: Valve Pit; Drain Pit; Valve Box
Pit/Box Number (VP - #, DP - #, VB - #): <u>\(\frac{12}{2} - 13\)</u>
Mark location of pit/box and indicate pit/box number on site map.
Check valve stems, flanges and fittings at all HTW mains:
Check drain valves and fittings from all HTW mains:
Check valves and fittings on HTW line vents:
Check for steam flowing from HTW conduit vents:
None: SE, SW
Water level in pit ≈ <u>-つ -</u> inches.
Other observations or notes:
INITIALS:; DATE:

**B.2 MECHANICAL EQUIPMENT ROOM SURVEY FORMS** 

HTW Study		Mechanical R	Rooms Su	rvey - Su	mmary	Fort S	tewart
Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
206	3	Learning Center	80	DHW	Υ	Υ	Υ
207	3	Dining Facility	124	DHW	Y	N	Ň
208	3	Fitness Center	113	DHW	Υ	Y	N
211	3	Admin.	N/A	N/A	Y	Ý	N
212	3	Admin/Barracks	131	DHW	Y	Ň	N
213	3	Barracks	120	DHW	Ý	N	N
215	3	Barracks	137	DHW	Ý	Ϋ́	N
216	3	Barracks	110	DHW	Ý	Ý	N
217	3	Admin.	N/A	N/A	Ý	Ý	N
218	3	Barracks	124	DHW	Ý	Ņ	Y
223	3	Admin.	N/A	N/A	Ý	Ϋ́	N
224	3	Admin.	N/A	N/A	Ý	Ý	N
225	3	Admin.	N/A	N/A	Ý	Ň	N
230	3	Tac Equip Shop	N/A	N/A	Υ	N	N
241	3	Tac Equip Shop	N/A	N/A	Y	N	N
260	3	Tac Equip Shop	N/A	N/A	Υ	N	N
270	3	Tac Equip Shop	N/A	N/A	` Ý	Y	N
276	3	Tac Equip Shop	N/A	N/A	N		
302	3	Hospital.	137	DHW	Υ	N	N
403	N/A	Child Care Ctr	N/A	N/A	Y	N/A	N
439	N/A	Fitness Center	139	DHW	Υ	N/A	Ν
440	2	Dental Clinic	114	DHW	Υ	Ν	N
501	2	Barracks	134	DHW	Υ	Υ	Ν
503	2	Barracks	122	DHW	Υ	Υ	Ν
504	2	Barracks	158	DHW	Υ	Υ	Ν
506	2	Admin.	N/A	N/A	Υ	Ν	N
507	2	Admin.	N/A	N/A	Υ	Υ	Ν
508	2	Admin.	N/A	N/A	Υ	Ν	N
509	2	Admin.	N/A	N/A	Υ	Ν	Υ
512	2	Dining Facility	145	DHW	Υ	?	Υ
514	2	Barracks	126	DHW	Υ	Υ	Ν
515	2	Barracks	123	DHW	Υ	Ν	Υ
516	2	Barracks	145	DHW	Υ	?	Υ
517	2	Barracks	175	DHW	LOCKED		
518	2	Barracks	183	DHW	Υ	?	Υ
520	2	Admin.	N/A	N/A	Υ	Ν	Υ
521	2	Admin.	N/A	N/A	Υ	Υ	N
522	2	Admin.	N/A	N/A	Y	Υ	N
523	2	Admin.	N/A	N/A	Y	Ν	Ν
524	2	Admin.	N/A	N/A	Υ	Ν	N
525	2	Admin.	N/A	N/A	Υ	Υ	Ν

HTW Study		Mechanical I	Rooms Su	ırvey - Suı	mmary	Fort S	tewart
Building	HTW	Building	DHW	Water	Mech Rm	HTW	Other
No.	Zone	Type	Temp.	Sample	Survey	Leaks	Leaks
608	2	Fitness Center	127	DHW	Υ	Υ	N
610	2	Chapel	115	DHW	Υ	Ν	N
612	2	Admin.	N/A	N/A	Υ	Υ	Υ
614	1	Admin.	N/A	N/A	Υ	Ν	Υ
616	1	Admin.	N/A	N/A	Υ	Ν	Υ
617	1	Admin.	N/A	N/A	Υ	Ν	N
618	1	Admin.	N/A	N/A	Υ	Ν	Ν
619	1	Admin.	N/A	N/A	Υ	N	Ν
620	1	Admin.	112	DHW	Y	Ν	Ν
621	1	Admin.	91	DHW	Υ	N	Ν
622	1	Admin.	85	DHW	Υ	Ν	N
623	1	Admin.	109	DHW	Υ	Ν	Υ
624	1	Admin.	109	DHW	Υ	Ν	Υ
626	1	Dining Facility	145	DHW	Υ	Ν	N
628	1	Admin.	N/A	N/A	Y	Υ	Ν
629	1	Barracks	160	DHW	Υ	?	Υ
630	1	Barracks	117	DHW	Υ	Ν	Υ
631	1	Barracks	142	DHW	Υ	Υ	Υ
632	1	Barracks	160	DHW	Υ	Ν	Υ
633	1	Barracks	128	DHW	Υ	Υ	Υ
634	1	Barracks	LOCKED	LOCKED	Υ	Ν	Ν
635	1	Barracks	140	DHW	Υ	Υ	Ν
636	1	Barracks	138	DHW	Υ	Υ	Υ
637	1	Barracks	158	DHW	Υ	Ν	Ν
638	1	Admin.	N/A	N/A	Υ	Ν	Υ
639	1	Admin.	N/A	N/A	Y	Υ	Ν
640	1	Admin.	N/A	N/A	Υ	Ν	Ν
641	1	Admin.	N/A	N/A	Υ	Ν	Ν
642	1	Dining Facility	154	DHW	Y	Ν	Υ
643	1	Admin.	N/A	N/A	Υ	Υ	Ν
644	1	Admin.	N/A	N/A	Υ	Υ	Ν
645	1	Admin.	N/A	N/A	Y	Ν	Ν
646	1	Admin.	N/A	N/A	Υ	Ν	Ν
647	1	Admin.	N/A	N/A	Υ	Υ	Ν
648	1	Admin.	N/A	N/A	Υ	Ν	Υ
649	1	Admin.	N/A	N/A	Υ	Ν	Ν

HTW Study		Mechanical R	ooms Su	ırvey - Suı	mmary	Fort S	tewart
Building No.	HTW Zone	Building Type	DHW Temp.	Water Sample	Mech Rm Survey	HTW Leaks	Other Leaks
701	1	Health Clinic	152	DHW	Υ	Υ	N
702	1	Ent. Center	143	DHW	Υ	Ν	N
703	1	Enl. Mens Club	N/A	N/A	LOCKED		Υ
704	1	Theater	N/A	N/A	Υ	Ν	Υ
706	1	Branch Exchange	N/A	N/A	Υ	N	Y
708	1	Fitness Center	131	DHW	Υ	N	Υ
710	1	Admin.	N/A	N/A	Υ	Ν	Υ
712	1	Barracks	135	DHW	Υ	Ν	Υ
713	1	Barracks	133	DHW	Υ	N	Υ
714	1	Barracks	137	DHW	Υ	Ν	Υ
715	1	Barracks	135	DHW	Υ	Υ	N
717	1	Barracks	131	DHW	Υ	Ν	N
718	1	Barracks	124	DHW	Υ	Υ	Υ
719	1	Barracks	112	DHW	Υ	Υ	N
720	1	Barracks	130	DHW	Υ	Ν	Υ
721	1	Admin.	N/A	N/A	Υ	Ν	N
722	1	Admin.	N/A	N/A	Υ	Υ	Υ
723	1	Admin.	N/A	N/A	Υ	Ν	N
724	1	Admin.	N/A	N/A	Υ	Ν	N
725	1	Admin.	N/A	N/A	Υ	Ν	N
726	1	Dining Facility	158	DHW	Υ	Ν	Υ
727	N/A	Training Facility	N/A	N/A	Υ	N/A	Ν
728	1	Admin.	N/A	N/A	Υ	Υ	N
810	1	Barracks	131	DHW	Υ	Ν	Ν
811	1	Admin.	N/A	N/A	Υ	Ν	N
812	1	Admin.	N/A	N/A	Υ	Ν	Ν
813	1	Admin.	N/A	N/A	Υ	Ν	Ν
814	1	Admin.	N/A	N/A	Υ	Ν	Υ
815	1	Admin.	N/A	N/A	Υ	Ν	Ν
816	1	Admin.	N/A	N/A	Υ	Ν	Υ
818	1	Admin.	N/A	N/A	Y	Ν	Ν
819	1	Admin.	N/A	N/A	Υ	Υ	N

HTW Study		Mechanical Rooms Survey - Sum			mmary	ry Fort Stewar	
Building	HTW	Building	DHW	Water	Mech Rm	HTW	Other
No.	Zone	Туре	Temp.	Sample	Survey	Leaks	Leaks
1160	3	D.S. Maint Fac	N/A	N/A	Υ	Υ	N
1170	3	G.S. Maint Fac	N/A	N/A	Υ	N	N
1208	1	Tac Equip Shop	N/A	N/A	Υ	N	Υ
1209	1	Tac Equip Shop	N/A	N/A	Υ	N	N
1211	1	Tac Equip Shop	N/A	N/A	Υ	N	Ν
1245	N/A	Tac Equip Shop	N/A	N/A	Υ	N/A	Υ
1259	1	Tac Equip Shop	N/A	N/A	Υ	Υ	N
1261	2	Tac Equip Shop	N/A	N/A	N		
1265	2	Tac Equip Shop	N/A	N/A	Υ	N	N
1280	N/A	Tac Equip Shop	N/A	N/A	Υ	N/A	Υ
1320	2	Tac Equip Shop	N/A	N/A	Υ	N	Ν
1330	2	Tac Equip Shop	N/A	N/A	Υ	Υ	N
1340	2	Tac Equip Shop	N/A	N/A	Υ	N	Ν
1412		C. Energy Plant	N/A	HTW	Υ	Υ	
1500	3	Div Logis Fac	N/A	N/A	w/ 1509?		
1503	3	Auto Hobby Shop	N/A	N/A	LOCKED		
1509	3	Div Logis Fac	N/A	N/A	Υ	Υ	Υ
1510	3	Tac Equip Shop	N/A	N/A	N		
1540	3	Tac Equip Shop	95	PW	N		
1720	2	D.S. Maint Fac	148	DHW	Υ	N-N/A	Ν
1810	2	Tac Equip Shop	N/A	N/A	N		
1820	2	Tac Equip Shop	N/A	N/A	Υ	N-N/A	Ν
1840	2	Tac Equip Shop	N/A	N/A	Υ	Ν	Υ
2115	1	Dental Clinic	N/A	N/A	Υ	Ν	Ν
2125	1	Chapel	120	DHW	Υ	Ν	Ν
3001	S	S. Energy Plant	N/A	N/A	Υ	Υ	
3002	S	Admin.	N/A	N/A	Υ	Υ	Ν
4502	S	Tac Equip Shop	N/A	N/A	N		
4528	S	Tac Equip Shop	N/A	N/A	Ν		
4577	S	Tac Equip Shop	N/A	N/A	Ν		
4578	S	Tac Equip Shop	N/A	N/A	N		
TOTALS		140			127	42	41

## **BUILDING HOT WATER GENERATOR SURVEY**

1.	Building Number:206
2.	Building Name: TARO Laurning Center (converted Living hall)
3.	HTW Zone No.: 1; 2N; 2S; 3/; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Wour Ku  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Other observations or notes:  Hot wafar canverter valued off  CW pump blaking  HTWS leaking stemm and ~2 cmp/2min from enfrance  to stem generalor
	INITIALS: THE TO 4/75

# **BUILDING HOT WATER GENERATOR SURVEY**

1.	Building Number:
2.	Building Name: Dinny Hall
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 124 °F
6.	Other observations or notes:  Mech. Rm. No ladks
	INITIALS:; DATE:

### **BUILDING HOT WATER GENERATOR SURVEY**

1.	Building Number: 208
2.	Building Name:
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name:  Number Locker Run # Z  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water:
	to he exclosur on the left.
	INITIALS: 37 ; DATE: 10/4/95

1.	Building Number: 211
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:
	* HTWS value stom leaking ston + about
	* HTWS value stem leaking steam + about  3 drops /sec HTW, Value just above floor
	where HTW Paters iom.
	INITIAL C: DATE:

1.	Building Number:
2.	Building Name: Sewing School Admin Converted Barrades
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:
5.	Take temperature reading of hot water:/ろし。F
6.	Other observations or notes: Slew Lean (Auk)  M.E. Rm. — No Leaks
	INITIALS: BATE: 194/95

1.	Building Number:
2.	Building Name: Burracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Dill Room Name: Janton: Cleset  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:(20 °F
6.	Other observations or notes:  M.E.Rm No Leaks
	INITIALS: # ; DATE: 10/4/95

1.	Building Number: 215
2.	Building Name: Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:
5.	Take temperature reading of hot water: 137 °F
6.	Other observations or notes:  Mech. Rm. : Heat exchanger for HW6 is leaking. Him  badly is I took a 1 min sample, And not get all  At loak in Sample, other drips and steam present.  Sample was ~ 1.5 cmps / min  12/1/as +1.:s look [ins born fired.
	INITIALS: WT ; DATE: 10-4

1.	Building Number: 216
2.	Building Name: Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: 1
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:
*	Heart exchange At Hwa is leaking at alumit 20 drops/posers
	INITIALS: wt ; DATE: 10-4

1.	Building Number: 217	<del></del>
2	Building Name: A / A/.	-: ^
3	HTW Zone No.: 1; 2N _	; 2S; 3; SEP
4	<ul> <li>Room Number:</li> <li>Room Name:</li> <li>Room Name:</li> <li>Run hot water for 1 to 2 minute</li> <li>Take sample of water.</li> <li>Mark building number on sample</li> </ul>	- . <u>Room</u> es.
5	Take temperature reading of h	not water:N/A_°F
<b>★</b> .	Other observations or notes:  Leaking Valve A  endinge to flo	on HTWR value just above or. ~ Idrop/3 sec
		INITIALS:; DATE:

1.	Building Number:
2.	Building Name: Bavvacks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: D-  Room Name: Laundry Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 124 °F
6.	Other observations or notes:  -Value pit between 218 217 - Ok no leaks  - DHW leaking badly at framp - in mech rm.
	INITIALS: Lett . DATE: 10-4

1.	Building Number: 223
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  HTWS Valve lenking (Incorted near door whose HTW enters hilly. ~ 1 doop /6 sec
	INITIALS:; DATE:

Building Number: 224
Building Name: <u>La / Admin</u> .
HTW Zone No.: 1; 2N; 2S; 3; SEP
Locate domestic hot water faucet:
Room Number:
Room Name: Mella Pun -
Run hot water for 1 to 2 minutes.
Take sample of water.
Mark building number on sample.
Other observations or notes:
HTW leaking at heat oxclour ary - measured
about 5% super per minute + a fair amount of
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1.	Building Number: 225
2.	Building Name: Aduin,
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Mech Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{N/A}{A}$ °F
6.	Other observations or notes:  M.E. Rm No Leaks
	INITIALS:; DATE:

1.	Building Number: 230
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Medi. fm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  No leaks
	INITIALS: DATE:

1.	Building Number:
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Mccli Rm  Run hot water for 1 to 2 minutes.  Take sample of water.
	Mark building number on sample.
5.	Take temperature reading of hot water:N/A°F
6.	Other observations or notes:  No leaks
	INITIALS:; DATE:

1.	Building Number:
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mach. Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/A</u> °F
6.	Other observations or notes:  No leaks
	INITIALS:; DATE:

Building Number:
Building Name: Tac Equip Shop
HTW Zone No.: 1; 2N; 2S; 3; SEP
Locate domestic hot water faucet:  o Room Number:  o Room Name:  Mech France  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
Take temperature reading of hot water:N/A°F
Other observations or notes:  ~ Il drop /5 sec HTW leaking from value above HTW  c. tymes to recom
INITIALS:; DATE:

1.	Building Number: 302
2.	Building Name: Hospital
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: Mans Locker Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 137 °F
6.	Other observations or notes:  - Wixing value is not working on DHW, Should  - Send 105° to bathrooms + 146° F to kitcher.  - HWG'S (2) set N 140° F
	- Stean Gen. vertl 2 55 ps. 5tean - No HTW Leaks in Bldg 350
	INITIALS: wtt ; DATE: 10-4

1.	Building Number: 403
2.	Building Name: Child Care Center
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP (N/A)
4.	Locate domestic hot water faucet:  Room Number: Room Name:Rm Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  - NG Hot water & NG Fired HW boiler for HVAC
	- Condensate leak From CHW Coil Pay
	- AHU Filters are very dirty
	- May shows HTW lines but they do not come in
	the lolda.
	— Ca Fig.
	INITIALS: 1. At. DATE: 10-4

1.	Building Number: 439
2.	Building Name: Phy. Fitness Center
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:
	Room Number:
	Room Name: Restroom
	Run hot water for 1 to 2 minutes.
	Take sample of water.
	Mark building number on sample.
5.	Take temperature reading of hot water: <u>139</u> °F
6.	Other observations or notes:
	- Natural gas DHW è space heating - No water leaks
	- No water leaks
	INITIALS: will; DATE: 10-3

1.	Building Number: 440
2.	Building Name: Dintal Clinic #1
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Revivoem Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 114 °F
6.	Other observations or notes:  1/17/16 - 17-16 has no leaks town game reads ~  116° F, no water from relief value.  Leakin Ht.ex. is not likely
	INITIALS: (D) 3 95

1.	Building Number: 501
2.	Building Name: Bourachs
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: HS3 Room Room Name: Men's Room Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water: 134 °F  Other observations or notes:
*	HTW value stem lanking a ldrop/3sec - Value in line state between Hwa + HVAC ht ex
	INITIALS: A ; DATE: 10/3/95

1.	Building Number: 503
2.	Building Name: Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: D153 Room Name: Men's Room Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6. ≰	Take temperature reading of hot water: 121 °F  Other observations or notes:  Medi kin:
	- HTW looking at HWG heat exclusion Flance - leak measured at a 1/2 cmp/2 min - HTWR flance leaking steam where it afters meels Room(sustable floor).
	INITIALS:; DATE:

1.	Building Number: 504
2.	Building Name:
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: 153 o Room Name: Restroom - Mens Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 156 °F
6.	Other observations or notes:  Water temp. started drapping after raning
<i>(</i>	Valve pit next to 504 - no leaks; Sump pump not working
*	Mech Rm - Shut off value for that HTW veturn from DHWG is leaking - measured Leak  Flow for ~ Inin in sample safer > 0.75cmp/min
\	12/1/95 INITIALS: wtt; DATE: 10-3

1.	Building Number:
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Meth. Equip  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:N/A_°F
6.	Other observations or notes:  No HTW Leuks
	INITIALS: : DATE:

1.	Building Number: 507
2.	Building Name: Admin
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Mech Example  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{N/A}{A}$ °F
6.	Other observations or notes:  **Entry Supply value stem leaking ~ I'drop/sec, just above Floor where HTW enters room.
	INITIALS: ; DATE:

1.	Building Number:
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name: Medi Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{N/A}{}$ °F
6.	Other observations or notes:  No HTW Leaks
	INITIAL C. DATE.

1.	Building Number: 509
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name:mech. Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Small chilled water leak,
	INITIALS:; DATE:

INITIALS: <u>GWF</u>; DATE: <u>10-3</u>

1.	Building Number:
2.	Building Name: DINGING FACILITY
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: KITCHEN SINK NEAR MGR'S OFFICE  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 145 °F
6.	Other observations or notes:  11 PSI ON REBOILER - 135° FON VERTICAL TANK
*	- 13 cup/90 sec. leak from Hwc heat exchanger Flange, water is not very hot, may be pot. water.
	- Small stream of condensate leaking from "Teo"  Fitting behind condensate tank - not HTW.

1.	Building Number: 514
2.	Building Name: Bassacks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: <u>D - 7</u> o Room Name: <u>Restveem</u> Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 126 °F
6.	Other observations or notes:
Jr	Mech. Rm.
*	Mech. Am. Flange at Hwe is leaking dram and ~ Idne / 4 sec HTW
	INITIALS: WH ; DATE: 10-2

1.	Building Number: 515
2.	Building Name: Barvacks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: D?  o Room Name: Restroom - Meus  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 123 °F
6.	Other observations or notes:
	DHW Circ pump is leaking - HW on blog. Side
	INITIALS: WHT; DATE: 10-2

HTW Zo	Name:
	ne No.: 1; 2N; 2S; 3; SEP
Locate d	
	omestic hot water faucet:
• R	oom Number: <u>D</u> -
• R	oom Name: <u>Restroom</u>
Run hot	water for 1 to 2 minutes.
Take sar	mple of water.
Mark bui	lding number on sample.
Other ob	eservations or notes:  from top of tank jud comittently  more than  Howa overflow leaking to the cap / 5 sec estlational  water tang is 2105°F
<u> </u>	+Wa overflow leaking tot 1/2 can / Esec stlama
	water ten. p is 2105°F
	· · · · · · · · · · · · · · · · · · ·
	INITIALS: wt ; DATE: 10-Z

INITIALS: WTT; DATE: 10-2

1.	Building Number:
2.	Building Name: Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: D - 7.  o Room Name: Restroom  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 175 °F
6.	Other observations or notes:  - Mech. room locked, through window, valve closed  NO overflow. Lock does not open with standard  mech. rm. key. No leaks visible at HWG.

1.	Building Number:518
2.	Building Name: Baryades
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: <u>D 153</u> o Room Name: <u>Rest voom - Mens</u> Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>183+</u> °F
6.	Other observations or notes:  N 1/2 gpm of 1900 + Water flowing from  the overflow of the HWG. Control value  vead "closed".
*	~ 10d/3scc from 1th ex Flange
	INITIALS: wt ; DATE: 10-2

1.	Building Number: <u>526</u>
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/A</u> °F
6.	Other observations or notes:  Small Chilled water leak
	INITIALS: DATE:

1.	Building Number: 521
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name: Mech. Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/A</u> °F
6. *	Other observations or notes:  ~ Idrap /2 sec HTW leak from value stem on
	HTWS where it enters the room.
	INITIALS: ; DATE:

1.	Building Number: 522
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Equip. Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:N/A°F
6. *	Other observations or notes:  ~   drop / 4 sec HTW leak From Value Stem on  HTW supply line where it enters the room.
	INITIALS: : DATE:

1.	Building Number: 523
2.	Building Name: Admin,
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Med. Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: NA °F
6.	Other observations or notes:  No HTW Leaks
	INITIAL S. DATE:

uilding Number: 524
uilding Name: Admin.
TW Zone No.: 1; 2N; 2S; 3; SEP
ocate domestic hot water faucet:  Room Number: Room Name: Mech. Equip un hot water for 1 to 2 minutes. ake sample of water. lark building number on sample.
ake temperature reading of hot water: $N/A$ °F
ther observations or notes:  No HTW Leaks
INITIALS: DATE:

1.	Building Number: 525
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Med. Farip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:N/A°F
6. *	Other observations or notes:  ~   drop /   sec HTW leak from valve stem on HTWR    line Where it enters the room.  Valve crank is also broken off.
	INITIALS: DATE:

1.	Building Number: 600
2.	Building Name: 6 ym
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  • Room Number:
	· Room Name: 1ST FLOUR men's Room
	Run hot water for 1 to 2 minutes.
	Take sample of water.
	·
	Mark building number on sample.
5.	Take temperature reading of hot water: 127 °F
6.	Other observations or notes:
	Mech. Room:
_	* HTWR leak from control value stem ~ 5d/min
	INITIALS: 6WF; DATE: 10-3

1.	Building Number: 610
2.	Building Name: Chapel
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:
5.	Take temperature reading of hot water: 115 °F
6.	Other observations or notes:  Mech. Rm. has Boor lock No leaks
	INITIALS: Wtt ; DATE: 10-4

1.	Building Number: 612
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech, Rm, Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: N/A °F
6. <i>¥</i>	Other observations or notes:  HTWA leak From control valve stem ~ 5d/min
	- Blog, side leak at circ. pump ald/min
	- 11 HW leak at valve ~ 1d/2min
	INITIALS: DATE:

1.	Building Number: 614
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Mech. Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: _\mathcal{N}/A_°F
6.	Other observations or notes:  AHU is leaking large amount of air
	No water looks
	INITIALS: ; DATE:

1.	Building Number: 616
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name:Room Run hot water for 1 to 2 minutes.
	Take sample of water.
	Mark building number on sample.
5.	Take temperature reading of hot water: NA °F
6.	Other observations or notes:  - HVAC HW leak from relief value on ht.ex. shell ~ ld/min
	- O.B. Fan bearing on AHU is noisy
	INITIALS: DATE:

1.	Building Number: 617
2.	Building Name:Ad min.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:
	Room Number:
	o Room Name: Medianical Ry.
	Run hot water for 1 to 2 minutes.
	Take sample of water.
	Mark building number on sample.
5. 6.	Take temperature reading of hot water: _\( \frac{\mathcal{N} \setminus A}{A} \) °F  Other observations or notes:
	Door bocked - Used Knife
	No leaks
	INITIALS: DATE:

1.	Building Number: 618
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: o Room Name: Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/A</u> °F
6.	Other observations or notes:  No leaks
	AHU Fan belts are loose
	INITIALS:; DATE:

1.	Building Number: 619
2.	Building Name: Admin
3.	HTW Zone No.: 1; 2N; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Run.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:^/A°F
6.	Other observations or notes:  No leaks
	INITIALS: : DATE:

INITIALS: GWF; DATE: 10-3

1.	Building Number: <u>620</u>
2.	Building Name: 61 ADSLITANT GENERAL INSTALLATION CHAPLAIN
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: 124  o Room Name: MAINT BREAK ROOM  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 112°F
6.	Other observations or notes:  2 HOT WATER TANKS - ONE IN SERVICE - ONE OUT OF  SERVICE.

Building Number: 62/
Building Name: DIR OF RESOURCE MGT. /INT. REVIEW / FINANCE
HTW Zone No.: 1; 2N; 2S; 3; SEP
Locate domestic hot water faucet:  o Room Number: First Floor Break Rum / VENDING MACH.  o Room Name:  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
Take temperature reading of hot water: 91 °F
Other observations or notes:
BROKEN HASP ON DOOR
2 HOT WATER TANKS - ONE INSERVICE - ONE OUT OF
SERVICE. IN SERVICE HEATER IS VALVED DEF. OUT OF
SERVICE HEATER IS MISSING TEMP CONTROL VALVE.
INITIALS: CWF; DATE: 10-3

INITIALS: COWF; DATE: 10-3

1.	Building Number: <u>627</u>
2.	Building Name: Dir of Compractive
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: / 46  o Room Name: men's Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  HOT WATER SYSTEM OFF, CIRC PUMP Off.

INITIALS: GWF; DATE: 10-3

1.	Building Number:
2.	Building Name: Al Cottol & DRUG ABUTE
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:
5.	Take temperature reading of hot water: <u>109</u> °F
6.	Other observations or notes:  2 HOT IMATER TANKS - ONE OUT OF SERVICE - ONE INSERVICE - CIRC Rump LEAKING

1.	Building Number: 624
2.	Building Name: VOLUMEER FAMILY SUPPORTGROUP
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Rm. Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 84 °F
6.	Other observations or notes:
	NO ACCESS TO MECH. ROOM - NO HOT WATER
	M.R. locked - used knife
	- No HTW leaks
	- Condensate storage tank leak in corner ~ 5-10 d/sec - Bldg. Side steam leak
	INITIALS: GWF; DATE: 10-3

1.	Building Number: 1/26
2.	Building Name: 15+ Beta. DINING FACIL.
3.	HTW Zone No.: 1; 2N; 3; SEP
4.	Locate domestic hot water faucet:  O Room Number: KITCHEN SINK  Room Name:  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>i 45</u> °F
6.	Other observations or notes:
	10 psia Deum pres, - LEVEL IN GLASS. 1/2 FYLL
	INITIALS: 6WF; DATE: 10-3

1.	Building Number: 628
2.	Building Name: Liberty Brigade - Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Meth Rm  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $N/A$ °F
6.	Other observations or notes:  - Electric DHW Neather
*	-~   drop   5 sec HTW leak from control valve  On HTOOR line From HVAC heat exchanger
	INITIALS:; DATE:

1.	Building Number: 529
2.	Building Name: Barrache
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:
	Mech. Room:
	- 211+ °F HW leakings from relief value /drain on HVAC heat ex. shell ~ 1/2+ cup/5 sec = 6 cup/min
	HVAC heat ex. shell ~ 1/2+ cup/5 sec = 6 cup/min
	- Small CHW leak where pipes enter Floor
	INITIALS: QH; DATE: LD/3(95

	Building Number:
	Building Name: Boure des
•	HTW Zone No.: 1; 2N; 3; SEP
•	Locate domestic hot water faucet:
	Room Number:
	Room Name: Mer's Room
	Run hot water for 1 to 2 minutes.
	Take sample of water.
	Mark building number on sample.
<b>5.</b>	Other observations or notes:  Well. Rm.:
	····ea.
	- Hot water leak from relief value /drain on shell of
	HVAC heat ex. ~2d/10 sec
	- Bldg. side Hw leak from air separator drain valve ~20/5.
	INITIALS: M ; DATE: 10/3/75

1.	Building Number: 631
2.	Building Name: Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:
5.	Take temperature reading of hot water: <u>142</u> °F
	Other observations or notes:  - 0.55 cup/min HTW from HWG control value stem  - 1/3 cup/min HTW From HWG heat ex. Flange.  - Also has water leak on HVAC side of ht. ex.
	INITIALS: Not ; DATE: 10-3

1.	Building Number: 632
2.	Building Name: Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: 1-7  Room Name: Restroom  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: F
6.	Other observations or notes:  Washers running, restroom DHW pressure was very  low - press.in lamadry sink was good
	Mech. Rm. no stag Hw leaks, insulation missing on about 4'x4' area of DHW generator.
	Small potable water leak
	INITIALS: Wtt ; DATE: 10-3

1.	Building Number: 633
2.	Building Name: Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: D-?  o Room Name: Launday Rm  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 126°F
6. *	Other observations or notes:  ~ 2 drops /sec HTW From HWG ht, ex. Flange, not  too hot and no steam -may be pot. water.
	- Leak on HVAC side of ht. ex relief valve is
	passing some water.
	· Af
	INITIALS: Wt ; DATE: 10-3

INITIALS: \_\_\_\_\_\_; DATE: \_\_\_\_\_10 3 95

1.	Building Number: 634
2.	Building Name: Bornacks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Door locked to Laundry / Rentroom aren
	Mech. Room: No leaks

1.	Building Number: <u>しろら</u>
2.	Building Name: Sarrachs
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 140°F
6.	Other observations or notes:
;	X Steam and n 10 d/17 sec. leaking from heat ex.  Plange on DHW generator
	INITIALS: MA ; DATE: 10 3 95

1.	Building Number:636
2.	Building Name: Borrocks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Laundry Rm Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Mech. Room:
Ą	HTWS leak from valve stem of 2nd valve after  HTW enters Floor. ~ 1d/5 sec + 1d/60 sec + some steam  - DHW leak from DHWG drain pipe ~ 10-20 d/sec
	INITIALS:

1.	Building Number: <u>637</u>
2.	Building Name: Berrodis
3.	HTW Zone No.: 1; 2N; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>\\( \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ </u>
6.	Other observations or notes:
<b>.</b>	Mech. Room - No leaks
	INITIALS: THE TO BE TO B

1.	Building Number: 638
2.	Building Name: Admin
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Medi. Rm. Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:N/A°F
6.	Other observations or notes:  HVAC circ Pump dripping at 2 flange Connection.  2 3 draps / 10 sec
	INITIALS: ; DATE:

1.	Building Number: 639
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Run.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  * Steam and ~ 10 drops / 18 sec HTW leaking from 1st  HTWS Valve stem to HVAC ht.ex.
	INITIAL S: DATE:

1.	Building Number: 640
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  No leaks
	INITIALS: DATE:

1.	Building Number: 641
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  O Room Number: O Room Name: Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:^°F
6.	Other observations or notes:  No leaks
	INITIALS: : DATE:

1.	Building Number: <u>642</u>
2.	Building Name: Mess Hall ASSANTED
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:
	Room Number:
	Room Name: Restroom
	Run hot water for 1 to 2 minutes.
	Take sample of water.
	Mark building number on sample.
5.	Take temperature reading of hot water: 154+°F
6.	Other observations or notes:
	Valve pit between bldgs 630 \$640; slight steam and drip from conduit vents (side facing #635)  Valve pit between 642 \$632, No steam or drips
	drip from conduit vents (side facing # 635)
	Value p:t between 642 : 632, No steam or drips
	Mitnest to 649 - no leaks
	Med Pm. No maior leaks of HTW or Steam
	Mech. Pm. No major leaks of HTW or steam DHW placking From top of DHWG tack ~ 5d/sec Pit at north corner of H635 - no leaks
	Pit at north corner of 4635 - no leaks
	INITIALS: Wtt; DATE: 10-3

1.	Building Number: 643
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name:Mech. Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6. ∦	Other observations or notes:  ~   drop/10 sec   HTW   leak From HTWS valve stem  at HVAC heat exchanger.
	INITIALS: DATE:

1.	Building Number: 644
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Medi. Equip  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/A</u> °F
6. *	Other observations or notes:  ~   dvop / 3 see   leak from HTW valve stem  ~   VB cup/min leak from telief Valve/dvain  line from HVAC heat, ex.
	INITIALS: : DATE:

1.	Building Number: 645
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name: Mech. Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{N/\kappa}{}$ °F
6.	Other observations or notes:  No HTW leaks  No other lanks
	INITIALS: DATE:

1.	Building Number: 646
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name: Mech. Equip.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/K</u> °F
6.	Other observations or notes:  No HTW leaks
	INITIALS: DATE:

1.	Building Number: 647
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Equip  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{N/A}{A}$ °F
6. **	Other observations or notes:  ~   drop   5 sec leak from HTWS valve stem  at HVAC heat exchanger.
	INITIALS

1.	Building Number:648
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name: Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:^/トー。F
6.	Other observations or notes:  - Leak on HVAC hot water side - relief value is passing some water
	INITIALS:; DATE:

1.	Building Number: 649
2.	Building Name: Admin
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Equip. Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{\mathcal{N}/\mathcal{K}}{\mathcal{K}}$ °F
6.	Other observations or notes:  No HTW Leaks
	INITIALS: DATE:

1.	Building Number: 701
2.	Building Name: Leath Chuic #1
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:152°F
6.	Other observations or notes:  MR. LOCKED -> Used knife to get in  * Id/s HTW leak from control value stem  * Missing pipe insulation
	INITIALS: THE : 10 5/95

1.	Building Number: 102
2.	Building Name: Fulles Ed Duris Chief (Music/Ent.)
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  O Room Number: O Room Name:  Number:  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 143 °F
6.	Other observations or notes:  Locked
	No leaks

INITIALS: THE COLORS

1.	Building Number: 703
2.	Building Name: <u>Eulisted Mens</u> Club
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  - Mech. Room Locked  - Noticeable natural gas leak at meter on  east side of building
	INITIAL C. DATE.

1.	Building Number: てのく
2.	Building Name:
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Elee water water
	- Relief value for chilled water is leaking - AHU Belts are loose - Lights tubes are burnt out

INITIALS: DATE: 10 3/75

1.	Building Number:
2.	Building Name: Branch Exchange
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:
	- Bldg. side HW lenk at circ pump shatt ~2-3 4/s
	·
	INITIALS:; DATE:

1.	Building Number: 708
2.	Building Name: By Jacks Cym / Fitness Center
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Men 5 Lacker for  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
<ol> <li>5.</li> <li>6.</li> </ol>	Take temperature reading of hot water: <u> 3 </u> °F  Other observations or notes:
	- No HTW leaks
	- North LPHW heat ex. R. Valve Leaking ~ 5 d/s
	- DHW storage tank R. Valve Leaking ~   cup/min
	INITIALS: Wtt ; DATE: 10-3

1.	Building Number:716
2.	Building Name: Admin. / H.Q.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  - Chilled water leak ~ 2d/minute
	INITIALS: DATE:

1.	Building Number: 712
2.	Building Name: Barracles
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:
5. 6.	Take temperature reading of hot water: <u>135</u> °F  Other observations or notes:
	Valve pit between 712 è 717 - no leaks
	11 11 11 717 É 720 - no leaks
	Mech Room:  Slight leak from Chilled water supply valve where  Pipe enters at Floor
	INITIALS: wt ; DATE: 10-3

1.	Building Number: 713
2.	Building Name: Barraules
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: D-?  o Room Name: Restrom  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>133</u> °F
6.	Other observations or notes:  Medy Room:
	-Slight blog.side leak from air separator tankdrain value; not HTW
	INITIALS: Wtt; DATE: 10-3

1.	Building Number: 714
2.	Building Name: Banacks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: D - 7  o Room Name: Restroom - Men  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>\137</u> °F
6.	Other observations or notes:  Mech, Room (
-	Slight leak from air separator drain value; not Him
	INITIALS: ust; DATE: 10-3

1.	Building Number:/15
2.	Building Name:Barracks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:
5.	Take temperature reading of hot water: <u>135</u> °F
6.	Other observations or notes:  Med. Rm.:
	* HTW leak from HTWR control value at DHW Generator  ~ 1 d/5 sec
	INITIALS: wtt; DATE: 10-3

INITIALS: THE TOURS OF STATES

1.	Building Number: 717
2.	Building Name: Bernels (DISCOM)
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Later Restruction Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: _\3\ °F
6.	Other observations or notes:  No leaks in Mech. Rm.

1.	Building Number:
2.	Building Name:Barrocks
3.	HTW Zone No.: 1; 2N; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Ladin Ristroom Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 124°F
6.	Other observations or notes:
*	1d/10 sec HTW Lenk from HTWS value stem 7 where pipes pipes floor
	≈ ~11/2 cup/min chilled water leak From control value
	INITIALS: 4 ; DATE: 10/3/95

1.	Building Number: 719
2.	Building Name:Bewocks
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Restron Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Mech. Room:
X	N Id/sec HTW Leak From HVAC HTWR valve;  2nd valve down stream from control valve
	INITIALS: M ; DATE: 10/3/95

1.	Building Number: 120
2.	Building Name: Barrels
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Restrome Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 130°F
6.	Other observations or notes:  Mech, Rm:  Slight DHW leak from relief value on side  of DHW generator.
	INITIALS:; DATE:

1.	Building Number: 721
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: wech Run.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:
	No HTW leaks
	No other leaks
	INITIALS: DATE:

1.	Building Number:/2
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mark building number on sample.
5.	Take temperature reading of hot water: _N/A_°F
6. A	Other observations or notes:  [ ~   duop / sec HTW leak From by pass value stem
•	where sipe enters floor
	~3d/s Hw & Steam leak at cive. pump to air handlevis).
	* there is a rontrol problem here or HVAC Ht. Ex. is
	leaking HTW. Bldg HW should not be not enough
	to produce steam
	INITIALS: DATE:

1.	Building Number: 723
2.	Building Name:Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name:
5.	Take temperature reading of hot water:N/A°F
<b>3</b> .	Other observations or notes:  No leaks.
	INITIALS: : DATE:

1.	Building Number: 724
2.	Building Name: Admin.
3.	HTW Zone No.: 1 / ; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:
6.	Other observations or notes:  No leaks.
	·
	INITIALS:; DATE:

1.	Building Number: 725
2.	Building Name: Aduin
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  - Ε[ες D Ηω
	- No HTW leaks in HVAC system
	INITIALS:; DATE:

1.	Building Number: 126
2.	Building Name: Men Hall-DISCOM Diving Facility
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Mechanical Room:
	- Some bldg. side Hw leaks at condensate return unit - next to steam generator
	- Small DHW leak at HW circ, pump next to  DHW generator.

1.	Building Number: 727
2.	Building Name: Training Facility
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP N/A
4.	Locate domestic hot water faucet:  Room Number:  Room Name:  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{N/\Lambda}{}$ °F
6.	Other observations or notes:  Heat Pump space heat > NO DHW & NO HTW
	INITIALS:; DATE:

1.	Building Number: 728
2.	Building Name: D(SCOM - Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: o Room Name: Med Ru  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>\(\mathcal{N}\seta\)_A</u> °F
6.	Other observations or notes:  Elec PHW haven
X	Steam and ~ 2 drops / Sec from HTWS value stem,  Also ~ Idvap / 20 sec HTW leak from HTW Bypass value stem  both values above where ItTW enters + leaves floor
	INITIALS:; DATE:

1.	Building Number: 810
2.	Building Name: Borvachs
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: (3) °F
6.	Other observations or notes:  Steam leak in value pit West corner of bldg  NW Mech. Rm.: HVAC only - No leaks
(3	DHWG heat ex: Richmond Engineering Co., Inc., Richmond, VI  Mfq. No. K56293, Year 1977, Des. Press = 400  Head thickness = 0.219", Head radius = 2.1  Shell "=0.322", Tank diar = 8.625"  Overall length = 61", National Board = 74236  INITIALS: Aff ; DATE: 10 3 95  Max. Working temp = 4000F

1.	Building Number: 811
2.	Building Name:Admin,
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Run.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: _NA_°F
6.	Other observations or notes:
	INITIALS: : DATE:

Building Number: 812
Building Name: Admin.
HTW Zone No.: 1; 2N; 2S; 3; SEP
Locate domestic hot water faucet:  O Room Number: O Room Name:  Medi. Run.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
Take temperature reading of hot water:°F
Other observations or notes:  No laks
INITIALS

1.	Building Number: 813
2.	Building Name: Admin,
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  O Room Number: O Room Name:  Mech. Run  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{\mathcal{N}/\mathcal{A}}{}^{\circ}F$
6.	Other observations or notes:  No leaks
	INITIALS: DATE:

1.	Building Number: 814
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Mech Rim  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water: N/A °F  Other observations or notes:  - HVAC Civc. Day 0 is leaking about 30/s
	- HVAC cive. pamp is looking about 3d/s of bldg. side Hw.
	INITIALS: ; DATE:

1.	Building Number: 815
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: R  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: _N/A_°F
6.	Other observations or notes:  No leaks
	,
	INITIALS:; DATE:

1.	Building Number: 816
2.	Building Name: Admin.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Medi. Rm. Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water: $N/A$ °F  Other observations or notes:
	Blog. side Hw leak from drain value ~ Id/min
	INITIALS: DATE:

1.	Building Number: 818
2.	Building Name: Ad min.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/A</u> °F
6.	Other observations or notes:  No leaks
	INITIALS: DATE:

TW Zone No.: 1; 2N; 2S; 3; SEP  cocate domestic hot water faucet:  o Room Number: o Room Name: un hot water for 1 to 2 minutes.  ake sample of water.  ark building number on sample.  ake temperature reading of hot water:  Attemption of notes:  HTW R leak from valve packing ~ 4d/min  HTW Leak from by pass valve packing ~ 3d/min  HTW Leak from valve packing ~ 1d/min	sullaing	Name: Admin.
ocate domestic hot water faucet:  Room Number:  Room Name:  Mech. Rm.  un hot water for 1 to 2 minutes.  ake sample of water.  ark building number on sample.  ake temperature reading of hot water:N/A_°F  ther observations or notes:  HTWR leak from valve packing ~ 4d/min  HTW leak from by pass valve packing ~ 3d/min		
• Room Number: • Room Name:Wech. Rm.  un hot water for 1 to 2 minutes.  ake sample of water.  ark building number on sample.  ake temperature reading of hot water:N/A_ °F  ther observations or notes:  HTW leak from valve packing ~ 4d/min  HTW leak from by pass value packing ~ 3d/min	HTW Z	one No.: 1; 2N; 2S; 3; SEP
o Room Name: <u>Mech. Rm.</u> un hot water for 1 to 2 minutes.  ake sample of water.  ark building number on sample.  ake temperature reading of hot water: <u>N/A</u> °F  ther observations or notes:  HTWR leak from valve packing ~ 4d/min  HTW leak from by pass value packing ~ 3d/min	_ocate	domestic hot water faucet:
un hot water for 1 to 2 minutes.  ake sample of water.  ark building number on sample.  ake temperature reading of hot water: N/A °F  ther observations or notes:  HTWR leak from valve packing ~ 4d/min  HTW leak from by pass value packing ~ 3d/min	o F	loom Number:
ake sample of water.  ark building number on sample.  ake temperature reading of hot water: N/A °F  ther observations or notes:  HTWR leak from valve packing ~ 4d/min  HTW leak from by pass value packing ~ 3d/min	o F	loom Name: Mech. Rm.
ark building number on sample.  ake temperature reading of hot water: N/A °F  ther observations or notes:  HTWR leak from valve packing ~ 4d/min  HTW leak from by pass value packing ~ 3d/min	Run ho	water for 1 to 2 minutes.
ther observations or notes:  HTWR leak from valve packing ~ 4d/min  HTW leak from by pass value packing ~ 3d/min	Take sa	mple of water.
ther observations or notes:  HTWR leak from value packing ~ 4d/min  HTW leak from by pass value packing ~ 3d/min	Mark bu	ilding number on sample.
HTW leak from pypass value packing ~ 3d/min HTWS leak from value packing ~ 1d/min		
HTWS leak from valve packing a ld/min		R leak from valve packing ~ td/min
	HTW	leak from by pass value packing ~ 3d/min
	HTW	R leak from valve packing ~ 4d/min  Leak from pypass value packing ~ 3d/min  S leak from value packing ~ 1d/min
	HTW	R leak from valve packing ~ 4d/min  Leak from pypass value packing ~ 3d/min  S leak from valve packing ~ 1d/min
	HTW HTW	R leak from valve packing ~ 4d/min  Leak from pypass value packing ~ 3d/min  S leak from value packing ~ 1d/min
	HTW	R leak from pypass value packing ~ 3d/min  S leak from value packing ~ 1d/min
	HTW HTW	R leak from pypass value packing ~ 3d/min S leak from value packing ~ 1d/min
INITIALS: DATE:	HTW HTW	R leak from valve packing ~ 3d/min  Leak from pypass valve packing ~ 1d/min  S leak from valve packing ~ 1d/min

1.	Building Number: \ 60
2.	Building Name: D. S. Maint Facility
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name:   Mill exit  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water: $N/A$ °F  Other observations or notes:  Control value on HTWR legking steam and a
<i>/</i> ``	Little HTW, mest evaposates before it dirips
7	E HTWR value above Floor is loaking ~ 1d/30 sec
	INITIALS:; DATE:

1.	Building Number:
2.	Building Name: G. S. Maint, Facility
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Mech Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:
6.	Other observations or notes:  No leaks
	Too (Earls)
	INITIALS:; DATE:

1.	Building Number: 1208
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Rm. Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{\mathcal{N}/\Delta}{\Delta}$ °F
6.	Other observations or notes:  ~ Id/5sec tran HUAC HT ex duain value
	INITIALS: DATE:

1.	Building Number: 1209
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:
	Room Name: Med Rm
	Run hot water for 1 to 2 minutes.
	Take sample of water.
	Mark building number on sample.
5.	Take temperature reading of hot water: _N/A_°F
6.	Other observations or notes:
	No leaks
	INITIALS: DATE:

1.	Building Number: 1211
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Med Rm  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: <u>パ/A</u> °F
6.	Other observations or notes:  No leaks
	INITIALS: DATE:

1.	Building Number: 1245
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech Room Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $N/A$ °F
6.	Other observations or notes:  - Oil boiler for HVAC  - Elec DHW heater  - HVAC circ pump leaking sources & bearings  Sound bad.
	INITIALS: DATE:

1.	Building Number: 1259
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: McM. Rom. Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: _N/A_°F
6. <b>*</b>	Other observations or notes:  N 1/4 cup / min HTW leaking From HTWS  Supply line thing tapped off of line next to HTW
	Supply line this tapped off of line next to HTW listrance down to floor from
	INITIAL C. DATE.

1.	Building Number: 1265
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:
	Room Number:
	o Room Name: <u>Mech Rm-</u>
	Run hot water for 1 to 2 minutes.
	Take sample of water.
	Mark building number on sample.
5.	Take temperature reading of hot water: <u>N/A</u> °F
6.	Other observations or notes:
	No leaks
	INITIALS:; DATE:

1.	Building Number: 1 L80
2.	Building Name: Tac Equip Shop (Small, 3-Bay)
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number:  Room Name: Mech, Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:V/A_°F
6.	Other observations or notes:  Nort gas heating, electric DHW
	Relief value is dumping a lot of heating hot water down the duain
	INITIAL S. DATE.

1.	Building Number: 1320
2.	Building Name: Voluile Maint.
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  O Room Number:  O Room Name: Med. Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:U/A°F
6.	Other observations or notes:  - #2 Fuel pil boiler for space heating?  Coppears to have also water litre & for new wing
/13/a6	- old much room has HTW W/ heat exchanger for space heating - No leaks
	INITIALS: 974 ; DATE: 10/3/95

1.	Building Number: 1230
2.	Building Name: <u>Tac Equip Shop</u>
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name:  Mech Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:
*	1d/8 sec HTW From HTWS value stem
′(	1d/8 sec HTW From HTWS value stem above entry at floor
	INITIALS:; DATE:

1.	Building Number: 1340
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: $\frac{\mathcal{V}/A}{A}$ °F
6.	Other observations or notes:  No leaks
	INITIALS

1.	Building Number:
2.	Building Name: Auto Hobby Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  O Room Number:  O Room Name:  Mech Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water: N/A °F  Other observations or notes:  Upsed Tues & Wed
	Closed Tues & Wed  Vormal Hrs 1300 - Mon, thur, Fri  Mech. Room Locked - No access
	INITIALS:

1.	Building Number: 1509
2.	Building Name:
3.	HTW Zone No.: 1; 2N; 2S; 3/; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Room  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:
6.	Other observations or notes:
	Steam from HTW conduit vent in pit behind
	this building. HVAC heading only?
	1/17/96 slight chw leak from value at entry
¥	~ 30 drops/10 sec HTW leak From HTW return
7	~ 30 drops/10 sec HTW leak From HTW return Nalve down chream from HVAC ht ex
	~ 20 cmps/min AW leak from HVAC heart ex relief values INITIALS: wtt; DATE: 10-3
	INITIALS: wtt; DATE: 10-3

1.	Building Number: 1510
2.	Building Name: Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Room Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water: $NA$ °F  Other observations or notes:  No. DHW Heating 51 1. 14)(15)
	No DHW Heating only. Wash vailes are using portable steam cleaners
	INITIALS: WH ; DATE: 10-3

1.	Building Number: 1545
2.	Building Name: Motor Pool / Tac Equip Shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: o Room Name:Restroom  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:95°F
6.	Other observations or notes:  Electric Water Heater
	INITIALS: 34 ; DATE: 10/3/95

1.	Building Number: 1720
2.	Building Name: D.S. Maintenance Facility
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name:  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Slew to heat.
redr. Room	- Nort Gas DHW  - Oil fivel Heating boiler  - HTW capped off at entrance, pipes are cold  - so probably valved off at pit.
	INITIALS: MA . DATE: 10/3/95

1.	Building Number: 1820
2.	Building Name: Tac Equip shop
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  Room Name: Mech, Rom.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
<ul><li>5.</li><li>6.</li></ul>	Take temperature reading of hot water: NA °F  Other observations or notes:
	No leales
	INITIAL C. DATE.

INITIALS: \_\_\_\_\_; DATE: \_\_\_\_\_

Building Number: 1946
Building Name: Tac Equip Shop
HTW Zone No.: 1; 2N; 2S; 3; SEP
Locate domestic hot water faucet:  Room Number: Room Name: Rm.  Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
Take temperature reading of hot water: <u>N/A</u> °F
Other observations or notes:  HVAC (LTHW) Circ pamp is locking  No HTW leaks

1.	Building Number: 215
2.	Building Name: Dental Clinic
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  Room Number: Room Name: Mech. Room Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water:°F
6.	Other observations or notes:  Has two elec HHW heaters
	No leaks in Mech. Rm.
	INITIALS: wt ; DATE: 10-3

1.	Building Number: 2125
2.	Building Name: Chapel
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number: o Room Name: Restvoom Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5.	Take temperature reading of hot water: 120°F
6.	Other observations or notes:  Also Look Polable (cold) water sample #2125-P  No leaks in Mech. Rm.
	INITIALS: Wtt; DATE: 10-3

1.	Building Number: 2002
2.	Building Name: Admin,
3.	HTW Zone No.: 1; 2N; 2S; 3; SEP
4.	Locate domestic hot water faucet:  o Room Number:  o Room Name: Run hot water for 1 to 2 minutes.  Take sample of water.  Mark building number on sample.
5. 6.	Take temperature reading of hot water: _\(\mu/A\\)^oF  Other observations or notes:  Elec. DHW
K	- Steam Flowing From HTWR Flange above Floor entry
,	
*	~ Ndrop/min HTW leak From HTWR by pass value (control value bypass line)
	INITIALS: DATE:

**B.3 CEP AND SEP SURVEY FORMS** 

# HTW Distribution System

Fort Stewart, GA

#### **CENTRAL ENERGY PLANT SURVEY - PUMPS**

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Suction Pressure: 180 psi
3.	Discharge Pressure: <u>220</u> psi
4.	Motor kW (Measured): PH1 =; PH2 =; PH3 =
5.	Pump Nameplate Data:
	DEAU BROTHERS PUMPS, INC., INDIANAPOLIS, IN
	SIZE 4x6×101, MODEL R454, SERIAL 132508
	910 GPW1, HEAD = 300 FT, RPM = 2300
	Control Panel reads 2010 RPm For pump P-23
	Diff pressure
6.	Pump Motor Nameplate Data:
	Lincoln, Dripproof France-404 TS, 125 hp, 230/460v
	60 hz, 70DE TV-3421, 3 Phase, 3495 RPM,
	284/142 Amps , SF=1,15 , SERIAL# 2434710 , INS.=B,
	NEMA EFF = 89.5, Continons, NEMA CODIE=D, NEMA DESIGNER
	BEARINGS: Radial = 6312, Thrust = 7312 BG
7.	Leaks or other observations:
	PEERLESS HYDROCONSTANT VARIABLE SPEED PUMP DRIVE,
	MODEL 2AMOGA-361 25 SN # 405447
	· · · · · · · · · · · · · · · · · · ·
	Backup pump luks: Idrop/3 sees from discharge value  Idrop/1 see from pump glands
	Idrop/1 sec from Dun, p glands
	$\theta$
	INITIALS: WTT; DATE: 9-13-95

# HTW Distribution System

Fort Stewart, GA

INITIALS: WTT ; DATE: 9-13-95

### **CENTRAL ENERGY PLANT SURVEY - PUMPS**

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Suction Pressure: 145 psi
3.	Discharge Pressure: 220 psi
4.	Motor kW (Measured): PH1 =; PH2 =; PH3 =
5.	Pump Nameplate Data:
	DEAN BROS. PUMPS, INC.
	SIZE=3x4x81/2   madel R434, S# 124895, Item#PH
	370 GPM, 260 ft Hearl, 3500 RPM,
	Braving: - Rudial 6309, Thrust 7309BG
	y
	Control Panel rends ~ 2670 fpm for pund P-11?
6.	Pump Motor Nameplate Data:  Gould Fart 6-320821-01 FRANE = 324 TS TYPE = SC
	GOULD & Part# 6-320821-01, FRANE = 324 TS, TYPE = SC
	50 HP, CODE=6, 60 HZ, 3 PH, 3540 RPM, 230/460 V,
	116/58 AMPS, Continous, SF=1,15, FORM = MCA, INS=B,
	NEMA DESIGN = B, Serial Code = U9, CAT # 0609
7.	Leaks or other observations:
	previess variable speed drive
	Leaks; steady drip/stream from pump gland - PII

#### **HTW Distribution System**

Fort Stewart, GA

# **CENTRAL ENERGY PLANT SURVEY - PUMPS**

Н	TW Zone No.: 1; 2N; 2S; 3; SEP
	uction Pressure: <u>177</u> psi
D	ischarge Pressure: <u>245</u> psi
M	otor kW (Measured): PH1 =; PH2 =; PH3 =
	ump Nameplate Data:
_	DEAN BROS. PUMPI, INC. SIZE 4x6x101
	MODEL R454, S# 121621, ITEM # P-4?
	900 apm 300 Ft head, 2500 RPM
	Beavings : Rod = 6312 , Threst = 7312 B6
	18001 ? 514 ?
	Dif press = 64.7 or 55.0
_	RELIANCE, FRAME = 365 TS, TYPE = P, INS. CLASS = B, 100 HP,
	3540 RPM DESIGN=B, CODE=F, 460V, 120A, 60HZ
	SF=1,15, CONTINGOUS, ID # P36G72C-GH-SB
_	
Lŧ	eaks or other observations:
	PEERLESS VARIABLE SPEED DRIVE
_	
	Leaks: 1 drop / 4 sec from pump gland of P-4
	INITIALS: WTT; DATE: 9-13-95

# SATELLITE ENERGY PLANT SURVEY - PUMPS

1.	HTW Zone No.: 1; 2N; 2S; 3; SEP
2.	Suction Pressure: psi
3.	Discharge Pressure: 210 psiq
4.	Motor kW (Measured): PH1 =; PH2 =; PH3 =
5.	Pump Nameplate Data:
	Mfg. by Dean Bros.; Size: 4x6x10 / R454
	Serial No: 142716; 885 Gpm; 300 Ft Hd; 3500 RPM
	Sp. Gravity = 0.859
	SPEED REDUCER: Mfg by Peerless
	output shaft speed = 310 Rpm
<b>3</b> .	Pump Motor Nameplate Data:
	Frame: 404 TS
	HP: 125
	Volts: 230/460
	Amps: 284/142
	S. F.: 1,15
	Speed: 3495 RPm
7.	Leaks or other observations:
	Pump need insulation
	Pump. disc. press = 210 psig
	Pump inlet temp = 380 %
	INITIALS: GF; DATE:

P.O. BOX 68172, INDIANAPOLIS, IN 46268-0172, (317) 293-2930.

FAX (317) 297-7028 MARKETING/ENGINEERING

FACSIMILE	MESSAG	E COVE	R SHEET

DATE:	9	-15-95

TO: BILL TODD

FROM: JEFF FISHEL

THIS MESSAGE IS: ROUTINE URGENT ( ) PAGES (4)

BILL,

HERE ARE CURVES,

CALL WITH QUESTIONS,

BEST BEGARDS,

JEFF FISHEL

individual units may differ slightly from the

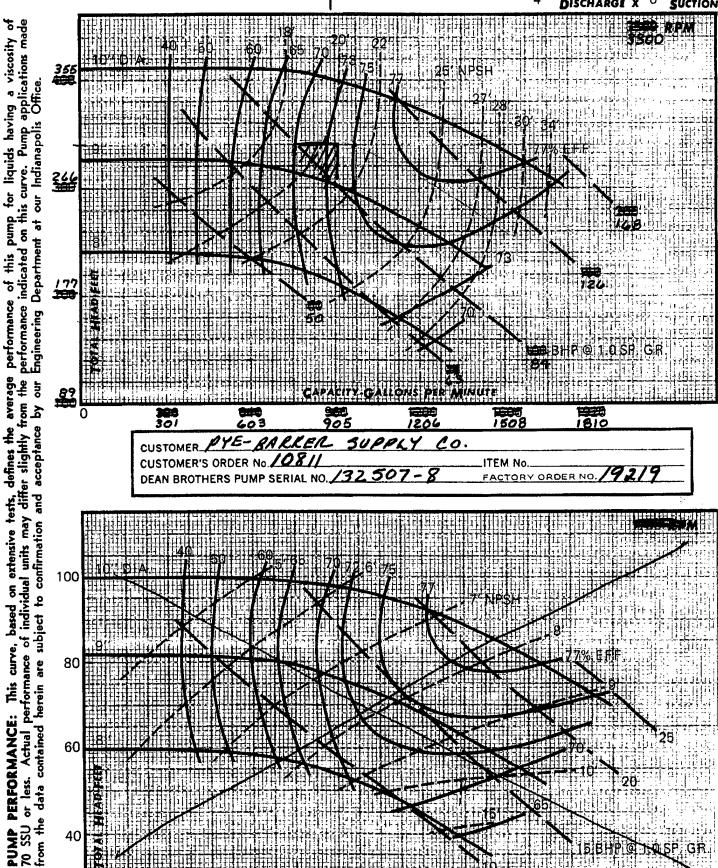
ESTABLISHED 1869

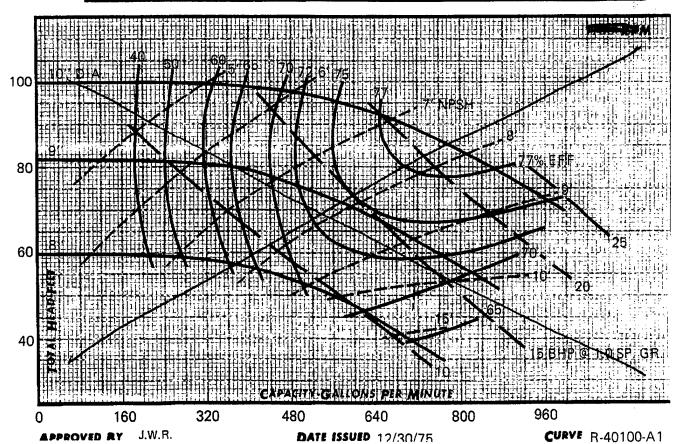
#### DEAN BROTHERS PUMPS INC. INDIANAPOLIS INDIANA

CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R-40100-A1 SPECIAL PUMP SIZE: 4" x 6" x 10"

PUMP TYPE: R454

DISCHARGE X 6" SUCTION





performance of this pump for liquids having a viscosity of performance indicated on this curve. Pump applications made Engineering Department at our Indianapolis Office.

or less. Actual performance of individual units may differ slightly from the

ERFORMANCE: This curve, based on extensive tests,

DEAN PUMP DIV.

**☑** 002 004 CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R-40100 A1

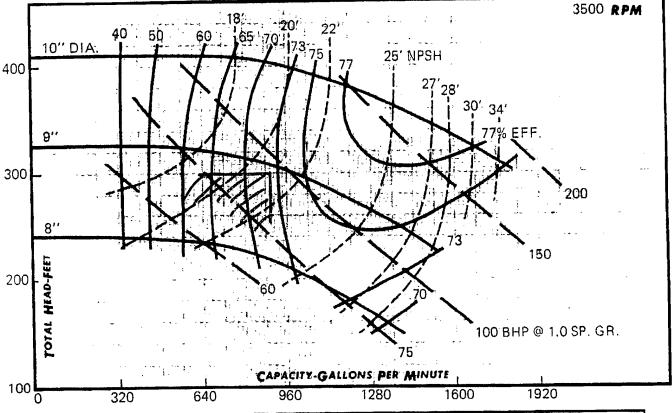
ESTABLISHED 1869

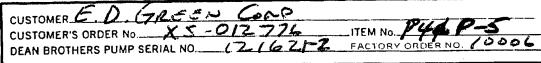
#### DEAN BROTHERS PUMPS INC. INDIANAPOLIS INDIANA

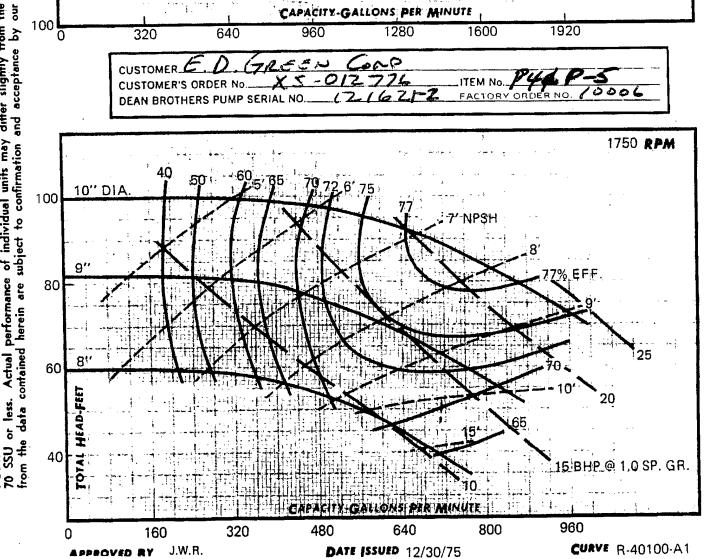
PUMP SIZE: 4" × 6" × 10"

PUMP TYPE: R454

DISCHARGE X 6" SUCTION







09/15/95

11:53

**3**317 297 7028

ESTABLISHED 1869

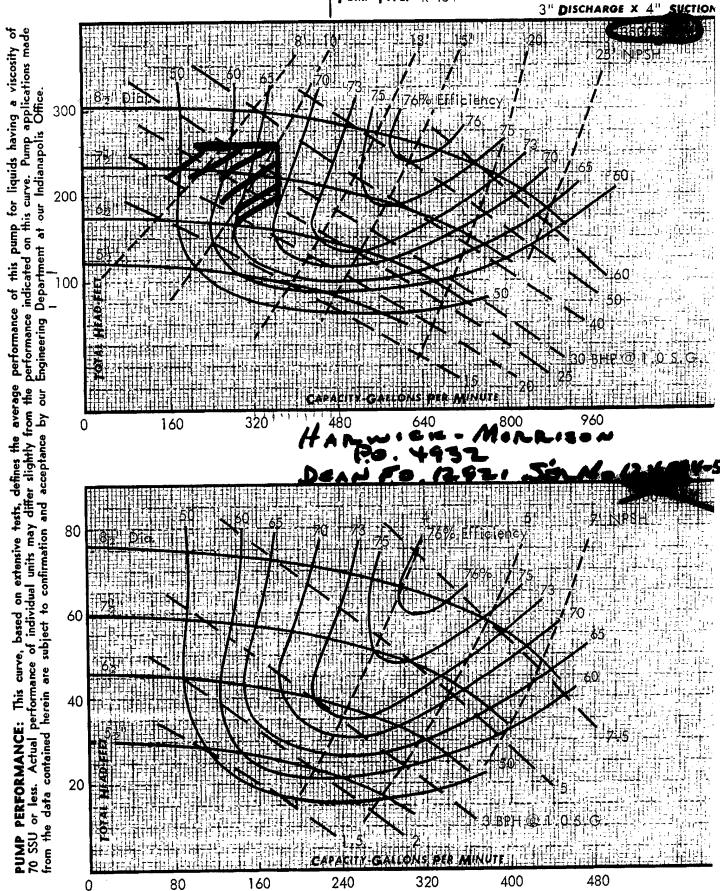
DEAN BROTHERS PUMPS INS. INDIANAPOLIS INDIANA.

DEAN PUMP DIV.

DEAN PUMP DIV. 2003/004
CENTRIFUGAL PUMP PERFORMANCE DATA: CURVE R 3085-A1

PUMP SIZE:  $3^{\prime\prime} \times 4^{\prime\prime} \times 8\frac{1}{2}^{\prime\prime}$ 

PUMP TYPE: R 434



Distribution:

Local	(L.D.)		Placed	Rec'd	Da	ite <u>11-21-95</u>
B. Todd Conversed with	h Randy F	arks	or <u>Ft.</u>	Stewart	CEP	
	Start-up					
The	y began	start - u	o of	the SEP	on N	londay (11/11/95)
Α.	. •					' so the SEP
						ter starting
						d (a nipple
						rin. Randy
	rinks (hopes)					
	ext Mond					
			•			
R	andy Said	the t	ypicall	y find a	bout 2	leaks each
	ear during					
í	d			•		
					•	
			· · · · · · · · · · · · · · · · · · ·		<u> </u>	
						_

Distribution:

Project Number 694 133 1 002

Local	(L:Đ:)	Placed	Rec'd	Date _	8-14-95
B.Tadd Conversed with _	Randy	Parks of Ft	. Stwart	CEP	
Regarding	lakeup h	pater for the	satellite	energy	Plant (SEP)
The	chillers	at the SEP	are not	t used	so there
		up water fo			
		•		•	
_ The	make u	p water for	the SEP	HTW d	rstribution
	•	es from the			
		ter system a			
	•	ne cascade h			
	_	day. When			
		P operators			
		thre cascade			
• All Andrews and the second and the					
42-15-1-1-1					

# RS#H.

SUBJECT	SEP_	Pumps	AEP NO _		<u> </u>
		· ·	SHEET_	OF	
DESIGNER _			DATE		
CHECKER			DATE		

SEP	Pump	DATA
-----	------	------

SOUTH PUMP - NEEDS INSULA	4100	MOTOR	
MFGR- DEAN ERS	FRAME	40475	
SIZE - 4 X 6 X10 1 R 454	HP	125	
SER.NO. 142716	VOLT	230/460	
FLOW 885 gpm	Amps	284/142	
HEAD 300 FT	S.F.	1.15	
SPEED 3500 RPM	SPEED	3495	RPM
SP.GRAV. 0.859			

# SPEED REDUCER

MFGR- PEERLESS		
OUT PUTSHAFT SPEED	310	RPM.

Pume-	DISCH PRES.		210	PS	19
11	INLET TEMP	_	380	·=	/

# CEP HITI CIRC, PUMPS.

mfgr-	DEAN BR	05.		
51ZE-	4x6 XID	ι	R454	
SER,NO,	132508			

FLOW	910 gpm
HEAD	300 FT

SPEED 3300 RPM

# Speco REDUCE.

PEERLES - HYDROCONSTANT.

Pump DiSLH. PRES.		_			
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TENP	(	* E	 	 	

**B.4 HTW DISTRIBUTION SYSTEM SURVEY FORMS** 

Agency Name FORT STEWART Date 2-21-96
Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODO
Area Surveyed ZONE   BETWEEN DP-1-17/18 AND VP-1-18
Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990
Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS
Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT
Pipe Diameter2 inches
Type of Fluid HIGH TEMPERATURE WATER
Temperature of Fluid <u>3 80</u>
nsulatedYes;No
Distance Between Listening Points
istening Points Used:
Meters; Hydrants; Valves; Test Rods; Other

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A

#### Notes:

Slight steam flow from drain vent in DP-1-17/18.
Slight steam flow from drain vent in DP-1-17/18.  Very heavy noise observed on detection equipment.
_ sounds like Fluid Flow or boiling liquid a steady
Sounds like Fluid Flow or boiling liquid, a steady rushing sound. Same noise observed with hand held
5-20 model leak detertor. No peaks found.
A COLOR

Agency Name FORT STEWART Date 2-21-96
Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODO
Area Surveyed ZONE   BETWEEN VP-1-17 AND DP-1-17/18
Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990
Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS
Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT
Pipe Diameter inches
Type of Fluid HIGH TEMPERATURE WATER
Temperature of Fluid 380 (F) or ℃
InsulatedNo
Distance Between Listening Points 300 (Feet) or Meters
Listening Points Used:
Meters; Hydrants; Valves; Test Rods; Other

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE	N/A
FULL	ALL	NONE-	N/A

#### Notes:

Same background noise as previous test. No Deak
Found - Check listening equipment on a nearby
Same background noise as previous test. No peak found. Check listening equipment on a nearby fire hydrant - they were working properly.

Agency Name FORT STEWART Date 2-21-96
Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODD
Area Surveyed ZONE 1 BETWEEN VP-1-16 AND VP-1-17
Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990
Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS
Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT
Pipe Diameter <u>4</u> inches
Type of Fluid HIGH TEMPERATURE WATER
Temperature of Fluid 380 (F) or °C
InsulatedYes;No
Distance Between Listening Points 500 (Feet) or Meters
Listening Points Used:
Meters; Hydrants; Valves; Test Rods; Other

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	NONE	N/A
FULL	ALL	NONE	N/A
		-	

wotes:		
	,	

There is a fin hole leak in a joint weld where
the HTW pipe enters VP-1-16. No leak detected
by the equipment, Same heavy background noise.

Agency NameF	ORT STEWART	Date	2-21-96
		FUSTAFSON, B. GOLDST	
		1 UP-1-15 AND U	
		AND COOLING D	
		CORRELATE, MFG.	
		ENZULATION AND S	
Pipe Diameter4	inches		
Type of Fluid н		RE WATER	
Temperature of Fluid	d_380 (°F) or °C		
InsulatedYes;	No		
Distance Between Li	stening Points 40	Feet) or Meters	
Listening Points Use	d:		
Meters;	Hydrants; Val	ves <u>/</u> ; Test Rods _	; Other
Scan Time	Filter(s)	Point Height	Location
Scan Time FULL	Filter(s)	Point Height  NONE	Location ル/A
FULL  Notes:	ALL		N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A

Agency NameF	ORT STEWART	Date	2-21-96
		USTAFSON, B. GOLDS	
		EN VA-1-14 AND	
		AND COOLING , D	
		CORRELATE, MFG.	
Pipe Material BL	ACK STEEL W/I	LUSULATION AND S	TEEL CONDUIT
Pipe Diameter			
Type of Fluid H	IGH TEMPERATUR	RE WATER	
Temperature of Flui	d 380 °F) or °C		
InsulatedYes;	No		
Distance Between Li	stening Points	Feet or Meters	
Listening Points Use			
Meters;	Hydrants; Valv	res _√_; Test Rods _	; Other
		_	<del></del>
Scan Time	Filter(s)	Point Height	Location
Scan Time FULL	Filter(s)	Point Height Noいこ	Location N /A
			,
			,
			,
			,
FULL  Notes:	ALL	NONE.	N/A
FULL  Notes:	ALL		N/A
FULL  Notes:	ALL	NONE.	N/A
FULL  Notes:	ALL	NONE.	N/A
FULL  Notes:	ALL	NONE.	N/A
FULL  Notes:	ALL	NONE.	N/A

Agency NameF	ORT STEWART	Date _	2-21-96
		GUSTAFSON, B. GOLDS	
Area Surveyed _ Zo	DNE 1 BETWEEN	U VP-1-13 AND	DP-1-13
		- AND COOLING , D	
		CORRELATE MFG.	
Pipe Material	ACK STEEL W/:	ENSULATION AND S	TEEL CONDUIT
Pipe Diameter4			
Type of FluidH	IGH TEMPERATU	RE WATER	
Temperature of Flui			
InsulatedYes;	No		
Distance Between Li	stening Points 2	50 (Feet) or Meters	
Listening Points Use	ed:		
Meters;	Hydrants; Val	ves <u>/</u> ; Test Rods _	; Other
Scan Time	Filter(s)	Point Height	Location
Scan Time	Filter(s)	Point Height  いのいこ	
			Location N∕A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL		N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A

Agency NameF	ORT STEWART	Date _	2-21-96
		FUSTAFSON, B. GOLDST	
		VP-1-9 AND VP-	
Map ReferenceCr	ENTRAL HEATING	AND COOLING , D.	ECEMBER 1990
		CORRELATE, MFG.	
		ENSULATION AND S	
Pipe Diameter			
Type of Fluidн	IGH TEMPERATUR	RE WATER	
Temperature of Fluid			
InsulatedYes;	No		
Distance Between Li	stening Points <u>4</u> 0	Feet or Meters	
Listening Points Use	d:		,
Meters;	Hydrants; Valv	ves <u>√</u> ; Test Rods _	; Other
Scan Time	Filter(s)	Point Height	Location
Scan Time FULL	Filter(s)	Point Height ルoルモ	Location
FULL  Notes:	ALL		N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A
FULL  Notes:	ALL	NONE	N/A

Agency NameF	ORT STEWART	Date_	2-21-96
		GUSTAFSON, B. GOLDST	
		N VP-1-8 AND V	
		- AND COOLING , D	
		CORRELATE MFG.	
Pipe Material <u>BL</u>	ACK STEEL W/:	INSULATION AND S	TEEL CONDUIT
Pipe Diameter 8			
Type of Fluid H	IGH TEMPERATU	RE WATER	
Temperature of Flui	d_380_60 or °C		
InsulatedYes;	No		
Distance Between Li	stening Points7	Feet or Meters	
Listening Points Use	ed:		
Meters;	Hydrants; Val	ves <u>/</u> ; Test Rods _	; Other
Scan Time	Filter(s)	Point Height	Location
Scan Time FULL	Filter(s)	Point Height  None	Location  N/A
FULL			
FULL Notes:	ALL	NONE	N/A
FULL Notes:	ALL		N/A
FULL Notes:	ALL	NONE	N/A
FULL Notes:	ALL	NONE	N/A
FULL Notes:	ALL	NONE	N/A
FULL Notes:	ALL	NONE	N/A

Agency NameF	ORT STEWART	Date _	2-21-96
		USTAFSON, B. GOLDS	
		UP-1-7 AND	
		AND COOLING , D	
		CORRELATE MFG.	
		NSULATION AND S	
Pipe Diameter	<u> </u>		
Type of FluidH	IGH TEMPERATUR	RE WATER	
Temperature of Flui	d <u>380</u> °F) or °C		
InsulatedYes;	No		
Distance Between Li	stening Points 102	O (Feet) or Meters	
Listening Points Use	d:		
Meters;	Hydrants; Valv	∕es <u>√</u> ; Test Rods _	; Other
Scan Time	Filter(s)	Point Height	Location
Scan Time FULL	Filter(s)	Point Height NoいE	Location N/A
FULL			
FULL  Notes:	ALL -	None	N/A
FULL  Notes:	ALL -		N/A
FULL  Notes:	ALL -	None	N/A
FULL  Notes:	ALL -	None	N/A
FULL  Notes:	ALL -	None	N/A
FULL  Notes:	ALL -	None	N/A

Agency NameF	ORT STEWART	Date _	2-21-96
		FUSTAFSON, B. GOLDS	
Area Surveyed _ Z	ONE 2 BETWEE	N VP-2N-8 AND	VF-2N-9
		- AND COOLING , D	
		CORRELATE MFG.	
Pipe Material BL	ACK STEEL W/:	ENSULATION AND S	TEEL CONDUIT
Pipe Diameter 2!			
Type of Fluid н	IGH TEMPERATU	RE WATER	
Temperature of Flui			
InsulatedYes;	No		
Distance Between Li	stening Points3d	Feet or Meters	
Listening Points Use	d:		
Meters;	Hydrants; Val	ves <u>/</u> ; Test Rods _	; Other
		-	
Scan Time	Filter(s)	Point Height	Location
	Filter(s)	Point Height	
Scan Time			Location
Scan Time  FULL  Notes:	ALL	NONE	Location  N/A
Scan Time  FULL  Notes:	ALL	NONE	Location  N/A
Scan Time  FULL  Notes: Tested here	ALL because they	NONE NONE	Location  N/A  pertual leaks
Scan Time  FULL  Notes: Tested here	ALL because they	NONE	Location  N/A  pertual leaks
Scan Time  FULL  Notes:  Tested here  and far fro	ALL because they	NONE NONE	Location  N/A  pertual leaks
Scan Time  FULL  Notes:  Tested here  and far fro	ALL because they	NONE NONE	Location  N/A  pertual leaks

Agency NameF	ORT STEWART	Date_	2-21-96
		GUSTAFSON, B. GOLDS	
		1 VP-3-11 AND VP-	
		S AND COOLING D	
	_	CORRELATE MFG.	
		INSULATION AND S	
Pipe Diameter 8			
Type of Fluid н	IGH TEMPERATU	IRE WATER SUPPLY	
Temperature of Fluid			
InsulatedYes;	No		
Distance Between Li	stening Points5	Feet or Meters	
Listening Points Use	d:		
Meters;	Hydrants; Val	lves <u>               ;</u> Test Rods _	; Other
Scan Time	Filter(s)	Point Height	Location
		Point Height	Location <i>N</i> / <i>A</i>
	Filter(s)		
FULL Notes:	ALL	NONE	N/A
Notes:	ALL ise in this p:	DC - probably d	N/A The to water
Notes:	ALL ise in this p:	DC - probably d	N/A The to water
Notes:  Clanging no hammer fr	ise in this pi	NONE	Pue to water confact with
Notes:  Clanging no hammer fr	ise in this pi	pc - probably d	Pue to water confact with
Notes:  Clanging no hammer fr	ise in this pi	pc - probably d	Pue to water confact with

Agency Name	ORT STEWART	Date _	2-21-96
		GUSTAFSON, B. GOLDS	
		N VP-3-11 AND V	
		AND COOLING , D	
		CORRELATE MFG.	
		INSULATION AND S	
Pipe Diameter8	inches .		
Type of Fluid	IGH TEMPERATU	RE WATER RETUR	N
Temperature of Flui			
InsulatedYes;	No		•
Distance Between Li	istening Points5	Feet or Meters	
Listening Points Use	ed:		
Meters;	Hydrants; Val	ves <u> </u>	; Other
	[: to=(a)	Point Height	1
Scan Time	Filter(s)	r omit Height	Location
Scan Time FULL	ALL	None	N/A
			,
			,
			,
			,
FULL Notes:	ALL	NONE	N/A -
FULL  Notes:  About 1 to	ALL ALL SPAN OF C	NONE Yround water is	N/A leaking into
FULL  Notes:  About 1 to	ALL ALL SPAN OF C	NONE	N/A leaking into
FULL  Notes:  About 1 to	ALL ALL SPAN OF C	NONE Yround water is	N/A leaking into
FULL  Notes:  About 1 to	ALL ALL SPAN OF C	NONE Yround water is	N/A leaking into
FULL  Notes:  About 1 to	ALL ALL SPAN OF C	NONE Yround water is	N/A leaking into

Agency Name FORT STE WART Date 2-21-96
Leak Detection Team T. CONLEY, T. GUSTAFSON, B. GOLDSTON, B. TODO
Area Surveyed SEP ZONE BETWEEN VP-S-12 AND VP-S-13
Map Reference CENTRAL HEATING AND COOLING, DECEMBER 1990
Survey Equipment MODEL C-2000 CORRELATE, MFG. BY FCS
Pipe Material BLACK STEEL W/ INSULATION AND STEEL CONDUIT
Pipe Diameter 3 inches
Type of Fluid HIGH TEMPERATURE WATER SUPPLY
Temperature of Fluid <u>3 80</u>
InsulatedYes;No
Distance Between Listening Points 800 (Feet) or Meters
Listening Points Used:
Meters; Hydrants; Valves; Test Rods; Other

Scan Time	Filter(s)	Point Height	Location
QUICK	ALL	None	N/A
FULL	ALL	PEAK	620'-660' from -1
FULL	ALL	NONE	N/A
FULL	ALL	NONE -	NIA

#### Notes:

There is a pinhole leak in the pipe joint in
VP-5-12. Slight straw Flow from conduit Vent in
VP-5-13. Heavy background noise, did not detect
Visible Pinhole lank, peak found during one
sena was not repeatable.

Agency NameF	ORT STEWAR	Date_	2-21-96
Leak Detection Tea	m T. CONLEY, T.	GUSTAFSON, B. GOLDS	TON, B. TODO
Area Surveyed	SEP ZONE BETW	EEN VP-S-12 AND	UP-5-13
Map Reference _ <u></u>	ENTRAL HEATING	AND COOLING , D	ECEMBER 1990
Survey Equipment _	MODEL C-2000	CORRELATE, MFG.	BY FCS
Pipe Material BL.	ACK STEEL W/	INSULATION AND S	TEEL CONSUIT
Pipe Diameter			
Type of FluidH	16H TEMPERATU	IRE WATER RETU	RN
	id <u>380</u> °F or °C		
InsulatedYes;	No		
Distance Between Li	istening Points <u>8</u> 6	Do Feet or Meters	
Listening Points Use			
Meters;	Hydrants; Val	ves <u> </u>	; Other
		_	
Scan Time	Filter(s)	Point Height	Location
Scan Time QUICK	Filter(s)	Point Height	Location $N/A$
QUICK	ALL	YOUE	N/A
QUICK	ALL	YOUE	N/A
QUICK FULL	ALL	YOUE	N/A
QUICK FULL - Notes:	ALL	NONE	N/A N/A
QUICK FULL - Notes:	ALL	NONE	N/A N/A
QUICK FULL - Notes:	ALL	YOUE	N/A N/A
QUICK FULL - Notes:	ALL	NONE	N/A N/A
QUICK FULL - Notes:	ALL	NONE	N/A N/A
QUICK FULL - Notes:	ALL	NONE	N/A N/A